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DESIGN DESIGNATIONS

| | I-490 EB | I-490 EB | I-490 WB | |
|-----------------------------------|----------------------|--------------------------|--------------------------|--|
| | FROM I-71 TO I-77 | FROM I-77 TO E. 55TH ST. | FROM I-71 TO E. 55TH ST. | |
| CURRENT YEAR ADT (2023) | 38,250 | 16,450 | 38,250 | |
| DESIGN YEAR ADT (2043) | 44,250 | 9,750 | 44,250 | |
| DESIGN HOURLY VOLUME (2043) | 8,050 | 900 | 8,050 | |
| DIRECTIONAL DISTRIBUTION | 70% | 52% 70% | | |
| TRUCKS (24 HOUR B & C) | 8% | 8% | 8% | |
| TD | 4% | 6% | 4% | |
| DESIGN SPEED | 65 MPH | 40 MPH | 65 MPH | |
| LEGAL SPEED | 60 MPH | 35 MPH | 60 MPH | |
| DESIGN FUNCTIONAL CLASSIFICATION: | 01 URBAN INTERSTATES | 01 URBAN INTERSTATE | 01 URBAN INTERSTATE | |
| NHS PROJECT | YES | YES | YES | |
| | I-71 | I-77 | W. 7TH ST. | |
| | SOUTH OF I-490 | | | |
| CURRENT YEAR ADT (2023) | 86,000 | 52,000 | 6,000 | |
| DESIGN YEAR ADT (2043) | 86,000 | 67,000 | 6,000 | |
| DESIGN HOURLY VOLUME (2043) | 8,600 | 8,000 | 700 | |
| DIRECTIONAL DISTRIBUTION | 70% | 70% | 53% | |
| TRUCKS (24 HOUR B & C) | 4% | 9% | 9% | |
| TD | 2% | 3% | 11% | |
| DESIGN SPEED | 65 MPH | 55 MPH | 30 MPH | |
| LEGAL SPEED | 60 MPH | 50 MPH | 25 MPH | |
| DESIGN FUNCTIONAL CLASSIFICATION: | 01 URBAN INTERSTATE | 01 URBAN INTERSTATE | 05 URBAN MAJOR COLLECTO | |
| NHS PROJECT | YES | YES | NO | |

BALLOON LEGEND

(AB-#) ABANDON

CONCRETE BARRIER

CONCRETE BARRIER REMOVED

CATCH BASINS, MANHOLES AND INLETS

CATCH BASINS, MANHOLES AND INLETS ADJUSTED/RECONSTRUCTED TO GRADE

CATCH BASINS, MANHOLES AND INLETS REMOVED

(DV-#) DRIVEWAYS

EROSION CONTROL

(EX-#) EXISTING CATCH BASINS, MANHOLES AND INLETS

(F-# FENCE

(FP-#) FILL & PLUG

FENCE REMOVED

(G-# GUARDRAIL

GUARDRAIL REMOVED

HEADWALL REMOVED

(HW-#) HEADWALL

LANDSCAPING

P-#) DRAINAGE PIPES

(PC-#) PIPE CLEANOUT

(PR-#) PIPES REMOVED

MISCELLANEOUS REMOVALS

SANITARY MANHOLE

SANITARY STRUCTURE ADJUSTED/RECONSTRUCTED TO GRADE

SANITARY LATERAL

SEEDING AND MULCHING

(SP-#) SANITARY PIPE

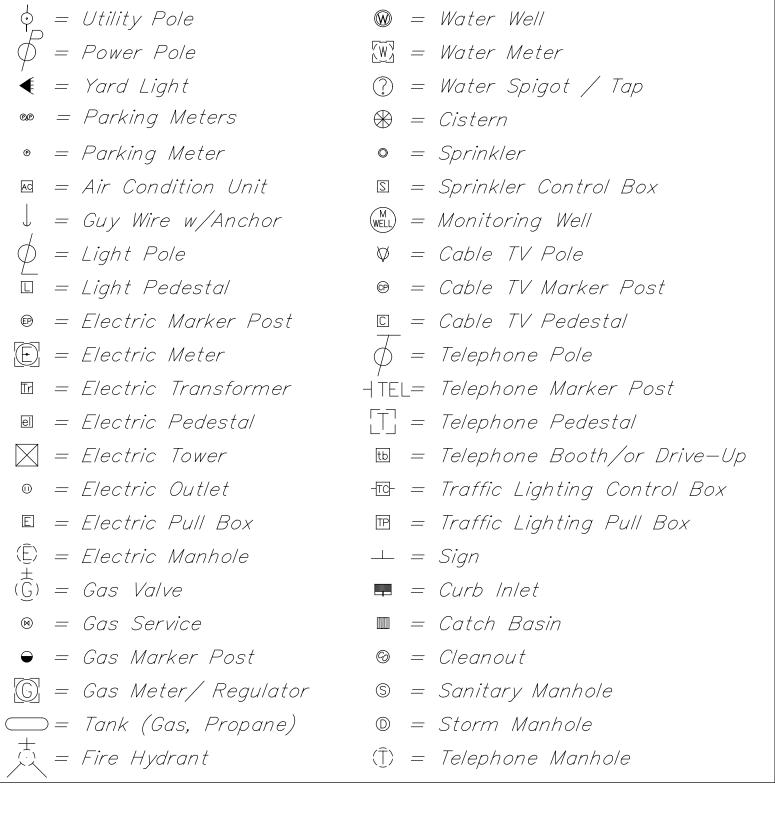
SANITARY REMOVAL

UNDERDRAINS

WATER WORK

WATER WORK ADJUSTED TO GRADE

(WR-#) WATER WORK REMOVALS



EXISTING UTILITY SYMBOL LEGEND

 $(\widehat{\mathbb{W}}) = Water Manhole$

8 = Guy Pole

PROPOSED UTILITY SYMBOL LEGEND

■ ■ ■ = Proposed Catch Basins

= Proposed Manhole

= Manhole Adjusted To Grade

 $\dot{\mathbf{w}}$ = Proposed Water Valve = Proposed Fire Hydrant

Sanitary Manhole Adjusted To Grade

= Proposed Traffic Pullbox

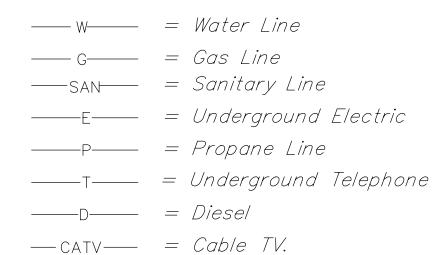
= Proposed Conventional Luminaire = Proposed Lighting Pullbox

= Proposed Decorative Luminaire

= Proposed Signal Pole Pedestal ■ = Proposed Signal Pole

 ϕ = Test Hole location

UTILITY LINE LEGEND



----TR---- = Signal Wiring**REVISIONS** NO. DATE

ROJECT ID 107408 DESCRIPTION 1 01/15/24 ADDED SHEET 65A 2 1068

DESIGN AGENCY



DESIGNER ATR REVIEWER PJF 11-21-23

-490-0.00 PART

THE FIELD OFFICE SHALL BE A SUITE TYPE OFFICE (NO TRAILER OR MODULAR OFFICE) WITH A MINIMUM OF 4,000 SQUARE FEET AND AT GROUND LEVEL WITH A MINIMUM CEILING HEIGHT OF EIGHT (8) FEET. PROVIDE TWO (2) OUTSIDE DOORS, LOCKABLE VANDAL PROOF CYLINDER TYPE DEAD BOLTS AND LOCKABLE WINDOWS. THE FLOOR SPACE WILL BE DIVIDED INTO TWO RESTROOMS, ONE GENERAL OFFICE AREA (MINIMUM 400 SQUARE FEET), NOT LESS THAN SEVEN INDIVIDUAL OFFICES (MINIMUM 300 SQUARE FEET EACH) AS SEPARATE ENCLOSED ROOMS (NO CUBICLE DIVIDERS WILL BE ACCEPTED), ONE KITCHEN SPACE INCLUDING SINK, REFRIGERATOR, AND MICROWAVE, AND ONE CONFERENCE ROOM (MINIMUM 1000 SQUARE FEET).

FURNISH NEAT, SANITARY, ENCLOSED TOILET ACCOMMODATIONS CONNECTED TO AN EXISTING SANITARY SEWER LINE FOR THE USE OF THE OCCUPANTS OF THE FIELD OFFICE, MEETING APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. FURNISH ASSOCIATED LAVATORY AND SANITARY SUPPLIES. POTABLE HOT AND COLD RUNNING WATER WILL BE PROVIDED IN THE RESTROOM FOR SANITARY PURPOSES.

FURNISH TRASH COLLECTION SERVICE/DUMPSTER.

FURNISH PROFESSIONAL, BONDED, AND INSURED JANITORIAL SERVICE WITH A WEEKLY CLEANING OF THE ENTIRE OFFICE TO INCLUDE THE RESTROOM FACILITIES FOR THE DURATION OF THE PROJECT.

FURNISH BOTTLED DRINKING WATER SERVICE WITH A HOT AND COLD DISPENSER AND ASSOCIATED SUPPLIES.

FURNISH A BOX FOR STORING A NUCLEAR DENSITY GAUGE WITH REQUIREMENTS AS SET FORTH IN C&MS 619.02.

FURNISH AND MAINTAIN A BROADBAND INTERNET CONNECTION CAPABLE OF MINIMUM DOWNLOAD SPEEDS OF 1.0 GB/S. PROVIDE A WIRELESS ROUTER THAT SUPPORTS WI-FI STANDARD 802.11AX (WIFI 6) AND A MINIMUM WIRELESS DATA TRANSFER RATE OF 4000 MB/S. PROVIDE PRE-WIRED ETHERNET ACCESS FOR ALL INDIVIDUAL OFFICES AND THE CONFERENCE ROOM.

FURNISH TEN (10) DESK AND CHAIR SETS, THIRTY (30) STACKABLE CHAIRS, TWENTY (20) WORK TABLES (30" x72"), AND TWELVE (12) 24- QUART WASTE BASKETS WITH APPROPRIATE SIZED TRASH BAGS.

FURNISH AND INSTALL TWO (2) WALL-MOUNTED 8' x 4' GLASS, MAGNETIC DRY ERASE BOARDS.

FURNISH ONE NEW TELEVISION WITH THE FOLLOWING SPECIFICATIONS:

- a) DIAGONAL SCREEN SIZE 70" MINIMUM"
- b) NATIVE RESOLUTION 4K c) HDMI PORTS: 3
- d) ALL ACCESSORIES NECESSARY TO OPERATE
- f) ALL HARDWARE AND INSTALLATION NECESSARY TO HANG THE TELEVISION ON THE WALL IN THE CONFERENCE ROOM

THE FIELD OFFICE WILL BE APPROVED IN ADVANCE BY THE ENGINEER AND FULLY OPERATIONAL WITHIN 30 DAYS AFTER THE SIGNING AND EXECUTION OF THE PROJECT OR PRIOR TO THE START OF ANY CONSTRUCTION WORK, WHICHEVER COMES FIRST.

THE DEPARTMENT WILL MEASURE FIELD OFFICE, TYPE C, AS PER PLAN BY THE NUMBER OF MONTHS THE OFFICE IS MAINTAINED. A PARTIAL MONTH AT THE END OF THE PROJECT WILL BE PAID AS A FULL MONTH.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE AS FOLLOWS:

ITEM 619

UNIT **MONTH**

DESCRIPTION FIELD OFFICE, TYPE C, AS PER PLAN

ITEM SPECIAL - SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW DEPENDENT UPON THE CONTRACTOR'S CHOSEN MEANS OF SURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

- 1) IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL: a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS
- AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT. b. PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE
- HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN. c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR,

TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO

DISCREPANCIES FOUND. 2) IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL

THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY

- SURVEY CONTROL: a. LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
- b. LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDE IN THE PLAN.
- c. PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

PERMIT

IN THE CITY OF CLEVELAND, ALL PERMITS MUST BE OBTAINED FROM THE DIVISION OF ASSESSMENTS AND LICENSES PRIOR TO BEGINNING ANY WORK WITHIN THE CITY OF CLEVELAND RIGHT OF WAY. PERMITS INCLUDE BUT ARE NOT LIMITED TO STREET OPENING PERMIT, OVERLOAD PERMIT. OBSTRUCTION PERMIT AND/OR SIDEWALK PERMIT AND MAY BE OBTAINED THROUGH THE FOLLOWING CONTACT:

 $\frac{1}{2}$

TRAVIS EVANS DEPARTMENT OF FINANCE **DIVISION OF ASSESSMENTS AND LICENSES** 601 LAKESIDE AVENUE, ROOM 122 CLEVELAND, OHIO 44114 PHONE: (216) 664-2174 EMAIL: DALPERMITS@CITY.CLEVELAND.OH.US

ALL STREET OPENING REPAIRS, CURB REPAIRS, AND/OR SIDEWALK REPAIRS EITHER INCIDENTAL TO THE PROJECT OR PART OF THE PROJECT MUST BE PERFORMED IN ACCORDANCE TO CITY OF CLEVELAND STANDARDS. A COPY OF THE STANDARDS CAN BE OBTAINED ON-LINE UNDER THE "FORMS AND PUBLICATIONS" TAB OF THE CAPITAL PROJECTS WEBSITE OR FROM THE DIVISION OF ENGINEERING AND CONSTRUCTION BY CALLING (216) 664-2381.

ALL PERMITS, FEES AND CHARGES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR ASSOCIATED COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THIS ITEM. THE COST BELOW MAY NOT BE FULLY INCLUSIVE OF ALL PERMIT FEES REQUIRED TO BE PAID. NOTE THAT CLEVELAND WATER DEPARTMENT CHARGES ARE PAID UNDER A SEPARATE ITEM.

FOR BIDDING PURPOSES. THE FOLLOWING FEES AND CHARGES HAVE BEEN ESTIMATED BY THE CITY OF CLEVELAND DIVISION OF ENGINEERING AND CONSTRUCTION ON BEHALF OF THE DIVISION OF ASSESSMENTS AND LICENSES (DAL): \$5,000

DAL HAS ASSIGNED STP NUMBER TO THIS PROJECT. THE AWARDED CONTRACTOR SHALL CONTACT DAL AS DESCRIBED ABOVE, USING THE ASSIGNED STP NUMBER FOR REFERENCE. THE CONTRACTOR SHALL PROVIDE DAL WITH THEIR CERTIFICATE OF INSURANCE (COI) MEETING THE CITY OF CLEVELAND REQUIREMENTS. UPON SUBMITTAL OF THE COI AND RECEIPT OF PAYMENT, DAL WILL ISSUE THE PERMIT.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL **NOTES SUBSUMMARY:**

ITEM SPECIAL - PERMITS

LUMP

REVISIONS NO. DATE **DESCRIPTION** $1 \mid 01/15/24 \mid PERMITS NOTE ADDED$

ITEM 202 - PAVEMENT REMOVED

AS SHOWN ON THE PAVEMENT REMOVAL CALCULATIONS (SHEET 489 TO 492). THE CONTRACTOR SHALL REMOVE ALL PAVEMENTS WHETHER ASPHALT, CONCRETE, OR COMPOSITE UNDER THE PRICE BID FOR ITEM 202 - PAVEMENT REMOVAL (SY).

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING **SEQUENCE:**

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- 2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

- 3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- 4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS

- 5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
- 6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.
- 7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE TYPICAL PLAN SHEETS 24 - 46 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 81 HOUR

PAVING IN THE VICINITY OF EXISTING UTILITIES

CONTRACTOR SHALL SUSPEND THE CEMENT STABILIZED SUBGRADE LAYER WITHIN 10' OF THE EXISTING UTILITIES TO REMAIN, INCLUDING BUT NOT LIMITED TO ODOT I.T.S. FACILITIES.

PHASED CONSTRUCTION SUBGRADE TREATMENT

CONTRACTOR SHALL SUSPEND THE CEMENT STABLIZED SUBGRADE LAYER IN THOSE AREAS WHERE PART-WIDTH CONSTRUCTION RESULTS IN LIMITS WHICH ARE LESS THAN THE MINIMUM WIDTH OF 12' REQUIRED FOR THE CEMENT STABILIZATION EQUIPMENT.

BASED ON THE MAINTENANCE OF TRAFFIC SCHEME INCLUDED IN THESE PLANS, THE FOLLOWING WORK AREAS HAVE BEEN IDENTIFIED, BUT ARE NOT LIMITED TO, AS HAVING WIDTH LESS THAN 12':

MOT PHASE 2A:

RAMP E-N (I-77) STA. 740+61.33 TO STA. 742+23.67 RAMP E-S (I-77) STA. 840+60.61 TO STA. 842+23.67

MOT PHASE 5A:

RAMP W-S (I-77) STA. 525+00.00 TO STA. 526+23.93 RAMP W-N (I-77) STA. 625+00.00 TO STA. 626+24.74

WHERE THE CEMENT STABILIZED SUBGRADE LAYER IS SUSPENDED DUE TO WIDTH, THE CONTRACTOR SHALL PROVIDE ITEM 204 - SUBGRADE COMPACTION AND ITEM 204 - GRANULAR EMBANKMENT FOR SUBGRADE TREATMENT IN THESE AREAS.

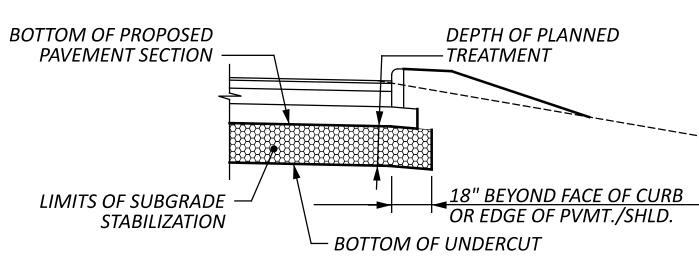
THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

ITEM 204 - SUBGRADE COMPACTION

322 SQ. YD.

125 CU. YD.

SUBGRADE STABILIZATION



TYPICAL PAVEMENT SUBGRADE CROSS SECTION

| | PAVEMENT : | SUBGRADE IMPRO | VEMENT SCHED | ULE | | |
|----------------------------|---------------|----------------|---------------------|-----------------------|------|------------------|
| ALIGNMENT | BEGIN STATION | END STATION | SUBGRADE METHOD | DEPTH OF TREATMENT | SIDE | TREATMENT REASON |
| C/L D/IM & CONST L 400 | 933+23.03 | 985+67.50 | CEMENT | 14" | L/R | SILT PRESENT |
| C/L R/W & CONST. I-490 | 1020+69.29 | 1035+00.00 | CEMENT | 14" | L/R | SILT PRESENT |
| B/L CONST. EB I-490 | 2035+00.00 | 2050+87.73 | CEMENT | 14" | L/R | SILT PRESENT |
| B/L CONST. WB I-490 | 3035+00.00 | 3049+75.86 | CEMENT | 14" | L/R | SILT PRESENT |
| C/L CONST. W. 7TH ST. | 10+24.33 | 14+47.65 | CEMENT | 14" | L | SILT PRESENT |
| | 3036+66.35 | 3042+13.54 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP E-S (I-71) | 3047+21.36 | 3058+59.21 | CEMENT | 14" | L/R | |
| | 3058+59.21 | 3064+68.90 | CEMENT | 14" | L/R | SILT PRESENT |
| DALCONST DANADS FALTA | 2049+00.00 | 2052+23.15 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP S-E (I-71) | 2052+23.15 | 2058+00.00 | CEMENT | 14" | L/R | SILT PRESENT |
| B/L CONST. RAMP 7-7C | 68+37.92 | 80+59.02 | CEMENT | 14" | L/R | SILT PRESENT |
| B/L CONST. RAMP C-7 | 81+96.55 | 85+63.86 | CEMENT | 14" | L/R | SILT PRESENT |
| B/L EX. & CONST. RAMP B-C | 14+98.42 | 18+18.79 | CEMENT | 14" | L/R | |
| B/L EX. & CONST. RAMP C-B | 14+78.03 | 17+33.88 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP E-N (I-77) | 734+00.31 | 746+47.57 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP E-S (I-77) | 836+08.78 | 842+23.67 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP N-E (I-77) | 437+48.58 | 445+70.00 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP N-W (I-77) | 120+15.54 | 131+37.52 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP S-E (I-77) | 336+00.00 | 347+00.00 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP S-W (I-77) | 224+14.63 | 227+50.07 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP W-N (I-77) | 625+00.00 | 631+44.12 | CEMENT | 14" | L/R | |
| B/L CONST. RAMP W-S (I-77) | 521+21.52 | 528+83.00 | CEMENT | 14" | L/R | |

ESIGN AGENCY



ESIGNER ATR REVIEWER PJF 11-21-23 ROJECT ID 107408

51 | 1068

QUANTITIES CARRIED TO GENERAL NOTES SUBSUMMARY ON SHEET 59

PART

-0.00

90

4

ITEM 204 - GRANULAR EMBANKMENT

(

NOTES

ENERAL

SPECIAL 204 204 201 203 203 204 503 605 611 611 611 611 611 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT \mathcal{C} MISCELLANEOUS SHEET NO. EARING AND LS CY HOUR LS SY FΤ FT FT FT EACH CY CY SY FΤ LB 50 LS 51 322 125 81 52 53 54 55 1000 200 40 200 200 240 56 57 LS 58 70241 3009 GENERAL NOTES SUBSUMMARY TOTALS CARRIED TO LS 70241 3009 125 LS 40 200 200 240 **GENERAL SUMMARY** ~~~~ SPECIAL 618 623 659 659 659 659 659 659 SPECIAL 638 638 659 659 659 659 RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN WATER WORK, MISC.: CLEVELAND WATER DEPARTMENT FEES AND CHARGES WATER WORK, MISC.: CLEVELAND WATER DEPARTMENT AS-BUILT DRAWINGS TEST SURVEY CONTROL VERIFICATION SEEDING AND MULCHI CLASS 3B 9 MONUMENT ASS TYPE C SOIL ANALYSIS SHEET NO. SEEDING AND M COMMERCIAL MILE EACH EACH TON ACRE SY SY MGAL MSF LS LS CY SY SY LS LS 50 30 51 LS LS 52 53 5.58 54 55 56 57 58 LS LS 2 3490 63346 3342 3342 9.33 13.81 370 150 DESIGN AGENCY CUY-490-0.00 PART GPD GROUP®
Jaus, Pyle, Schomer, Burns & Dehaven,
Copyright: Glaus, Pyle, Schomer, Burns & Dehaven, Inc. 2 DESIGNER JAN *REVISIONS* REVIEWER **PJF 11-21-23** NO. DATE
1 01/15/24 DESCRIPTION 01/15/24 PERMITS QUANTITY ADDED PROJECT ID 107408 TOTALS CARRIED TO SHEET TOTAL 2 59 1068 5.58 LS LS 30 LS LS 2 7419 3490 63346 3342 3342 9.33 13.81 370 150 **GENERAL SUMMARY**

NOTIFICATIONS AND CONTACTS

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES AT LEAST FOURTEEN (14) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITIES, INCLUDED IN THE NOTIFICATION SHALL BE THE PROJECTED DATES AND TIME FRAMES OF ANY ROAD CLOSURES OR DETOURS, INCLUDING DETOURS TO THE TOWPATH TRAIL AND IMPACTS TO PARCEL 10-T.

- ODOT DISTRICT 12 5500 TRANSPORTATION BLVD. GARFIELD HEIGHTS, OHIO 44125 216-581-2100
- 2. CITY OF CLEVELAND DEPARTMENT OF PUBLIC WORKS 500 LAKESIDE AVE. CLEVELAND, OHIO 44114 216-664-2485
- CITY OF CLEVELAND DIVISION OF FIRE 1645 SUPERIOR AVE., EAST CLEVELAND. OHIO 44114 216-664-6800
- CITY OF CLEVELAND DIVISION OF POLICE 1300 ONTARIO ST. CLEVELAND. OHIO 44113 216-623-5000
- CITY OF CLEVELAND METROPOLITAN SCHOOLS 1111 SUPERIOR AVE. E. SUITE 1800 CLEVELAND. OHIO 44114 216-838-0000
- CUYAHOGA COUNTY SHERIFF 1215 W 3RD ST. CLEVELAND, OHIO 44113 216-443-6000
- GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY 1240 WEST 6TH ST. CLEVELAND, OHIO 44113-1302 216-356-3270
- OHIO STATE HIGHWAY PATROL 5225 W 140™ ST. BROOKPARK. OHIO 44142 216-265-1677
- CUYAHOGA METROPOLITAN HOUSING AUTHORITY 8120 KINSMAN RD. CLEVELAND, OH 44104 216-348-5000

 $\frac{1}{2}$ THE FOLLOWING CONTACTS SHALL BE NOTIFIED 48 HOURS PRIOR TO THE TOWPATH TRAIL CLOSURE.

- 10. CANALWAY PARTNERS ATT: MERA CARDENAS PO BOX 609420 CLEVELAND, OH 44109 216-520-1825
- 11. JEREMY SKAGGS SR. PARK MANAGER, OHIO & ERIE CANAL RESERVATION 4101 FULTON PARKWAY CLEVELAND, OHIO 44144 OFFICE: 216-341-1706 MOBILE: 440-523-1241 EMAIL: JDS1@CLEVELANDMETROPARKS.COM

SHOULD ANY OF THE PROJECTED DATES AND TIME FRAMES OF THE START AND END OF THE ROAD CLOSURES CHANGE THROUGHOUT THE DURATION OF THE PROJECT, THE AGENCIES LISTED ABOVE MUST BE NOTIFIED IMMEDIATELY.

SEQUENCE OF CONSTRUCTION PRE-PHASE 1

PRIOR TO COMMENCING PHASE 1 CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR PHASE 1. DURING CONSTRUCTION OF THE TEMPORARY PAVEMENT, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. ONLY ONE LANE, ADJACENT TO EITHER THE INSIDE OR OUTSIDE SHOULDER MAY BE CLOSED AT ANY ONE TIME IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART (SEE LANE VALUE CONTRACT TABLE ON SHEET 61). THIS WORK ZONE SHALL BE REMOVED BY 6 AM DAILY. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

PHASE 1

FROM THE BEGINNING OF THE PROJECT TO THE PEDESTRIAN BRIDGE/W. 11TH STREET THE CONTRACTOR SHALL SHIFT TWO EASTBOUND INTERSTATE 490 LANES TO THE OUTSIDE LANES AND SHOULDER AND ONE WESTBOUND INTERSTATE 490 LANE TO THE OUTSIDE LANE AND SHOULDER. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE MEDIAN DRAINAGE. MEDIAN BARRIER. INSIDE SHOULDERS, AND INSIDE LANES.

PHASE 1 (CONT.)

BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND THE END OF THE CUYAHOGA RIVER BRIDGE THE CONTRACTOR SHALL SHIFT THREE EASTBOUND AND WESTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER. BETWEEN THE END OF THE CUYAHOGA RIVER BRIDGE AND THE END OF THE PROJECT THE CONTRACTOR SHALL SHIFT TWO EASTBOUND AND WESTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE MEDIAN DRAINAGE AND MEDIAN BARRIER.

THE CONTRACTOR SHALL SUSPEND CONSTRUCTION OF THE PROPOSED MEDIAN BARRIER JUST EAST OF THE PEDESTRIAN BRIDGE/W. 11TH STREET AND CONSTRUCT THE WEST END CROSSOVER AND ASSOCIATED TEMPORARY PAVEMENT. THE CONTRACTOR SHALL ALSO CONSTRUCT THE EAST END CROSSOVER AND ASSOCIATED TEMPORARY PAVEMENT JUST TO THE EAST OF THE NS RAILROAD BRIDGE. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

IN ORDER TO COMPLETE THE EAST CROSSOVER TEMPORARY PAVEMENT, EAST OF THE N-S RAILROAD BRIDGE. ONE WESTBOUND OPPORTUNITY CORRIDOR LANE SHALL BE CLOSED IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART AND PER MT-95.30.

1ST WINTER OVER PHASE

AFTER THE COMPLETION OF PHASE 1. THE CONTRACTOR SHALL WINTER OVER IN THE PHASE 1 TRAFFIC PATTERN.

PRE-PHASE 2

PRIOR TO COMMENCING PHASE 2 CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR PHASE 2. DURING CONSTRUCTION OF THE TEMPORARY PAVEMENT, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. ONLY ONE LANE, ADJACENT TO EITHER THE INSIDE OR OUTSIDE SHOULDER MAY BE CLOSED AT ANY ONE TIME BETWEEN 8 PM – 6 AM OR IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART. THIS WORK ZONE SHALL BE REMOVED BY 6 AM DAILY. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

PHASE 2

FROM THE BEGINNING OF THE PROJECT TO THE PEDESTRIAN BRIDGE/W. 11TH STREET THE CONTRACTOR SHALL KEEP EASTBOUND TRAFFIC IN THE PHASE 1 TRAFFIC PATTERN AND SHIFT TWO WESTBOUND INTERSTATE 490 LANES TO THE INSIDE LANE AND SHOULDER. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE WESTBOUND OUTSIDE SHOULDER, AND OUTSIDE LANES.

BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND THE END OF THE CUYAHOGA RIVER BRIDGE THE CONTRACTOR SHALL SHIFT THREE EASTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER, SHIFT TWO WESTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER, AND CROSSOVER ONE WESTBOUND LANE ONTO EASTBOUND PAVEMENT. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE WESTBOUND INSIDE SHOULDER AND INSIDE LANES.

BETWEEN THE END OF THE CUYAHOGA RIVER BRIDGE AND THE END OF THE PROJECT THE CONTRACTOR SHALL SHIFT TWO EASTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER AND CROSSOVER ONE WESTBOUND LANE. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE FULL WIDTH WESTBOUND PAVEMENT.

ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES EXCEPT FOR THE FOLLOWING RAMPS/MOVEMENTS WHICH MAY BE CLOSED AND DETOURED DURING RAMP/PAVEMENT RECONSTRUCTION ONLY:

WESTBOUND OPPORTUNITY CORRIDOR TRAFFIC TRYING TO ACCESS I-71 SOUTHBOUND. \sim

THE CONTRACTOR SHALL CLOSE AND DETOUR THE TOWPATH TRAIL WHEN WORKING ON THE CUYAHOGA RIVER BRIDGE.

PHASE 2A

ALL TRAFFIC SHALL REMAIN IN THE PHASE 2 TRAFFIC PATTERN, EXCEPT FOR THE GORE AREAS BETWEEN RAMP N-W (I-77)/RAMP S-W (I-77) AND RAMP E-S (I-77)/RAMP E-S (I-77). THE CONTRACTOR SHALL SHIFT ONE LANE OF TRAFFIC TO THE OUTSIDE OF EACH RAMP AND CONSTRUCT THE CENTER GORE AREAS BETWEEN TRAFFIC. THE CONTRACTOR SHALL CLOSE AND DETOUR RAMP S-W (I-77 NB) DURING RAMP / PAVEMENT RECONSTRUCTION ONLY.

PRE-PHASE 3

PRIOR TO COMMENCING PHASE 3 CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR PHASE 3. DURING CONSTRUCTION OF THE TEMPORARY PAVEMENT, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. ONLY ONE LANE, ADJACENT TO EITHER THE INSIDE OR OUTSIDE SHOULDER MAY BE CLOSED AT ANY ONE TIME BETWEEN 8 PM - 6 AM OR IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART. THIS WORK ZONE SHALL BE REMOVED BY 6 AM DAILY. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

PHASE 3

FROM THE BEGINNING OF THE PROJECT TO THE PEDESTRIAN BRIDGE/W. 11TH STREET THE CONTRACTOR SHALL KEEP EASTBOUND TRAFFIC IN THE PHASE 1 TRAFFIC PATTERN AND PLACE WESTBOUND TRAFFIC INTO THE PROPOSED TRAFFIC PATTERN. THE CONTRACTOR SHALL NOT CONSTRUCT ANY ROADWAY IMPROVEMENTS IN THIS SECTION OF PAVEMENT.

BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND THE END OF THE CUYAHOGA RIVER BRIDGE THE CONTRACTOR SHALL KEEP EASTBOUND TRAFFIC AND THE SINGLE WESTBOUND CROSSED OVER LANE IN THE PHASE 2 TRAFFIC PATTERN AND SHIFT TWO WESTBOUND LANES TO THE INSIDE LANES AND SHOULDER. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE WESTBOUND OUTSIDE SHOULDER AND OUTSIDE LANES.

BETWEEN THE END OF THE CUYAHOGA RIVER BRIDGE AND THE END OF THE PROJECT THE CONTRACTOR SHALL KEEP BOTH EASTBOUND AND WESTBOUND TRAFFIC IN THE PHASE 2 TRAFFIC PATTERN. THE CONTRACTOR SHALL CONTINUE CONSTRUCTION OF ALL PROPOSED ROADWAY IMPROVEMENTS TO THE FULL WIDTH WESTBOUND PAVEMENT.

ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES EXCEPT FOR THE FOLLOWING RAMPS/MOVEMENTS WHICH MAY BE CLOSED AND DETOURED DURING RAMP/PAVEMENT RECONSTRUCTION ONLY:

WESTBOUND EXIT RAMP C-7 TO W. 7TH STREET WESTBOUND ENTRANCE RAMP B-3 FROM BROADWAY AVE./ROCKEFELLER AVE. WESTBOUND OPPORTUNITY CORRIDOR TRAFFIC TRYING TO ACCESS I-71 SOUTHBOUND

> THE CONTRACTOR SHALL CLOSE AND DETOUR THE TOWPATH TRAIL WHEN WORKING ON THE CUYAHOGA RIVER BRIDGE.

PHASE 3A

ALL TRAFFIC SHALL REMAIN IN THE PHASE 3 TRAFFIC PATTERN. EXCEPT FOR THE GORE AREA BETWEEN RAMP E-S (I-71) AND I-490 WB. THE CONTRACTOR SHALL SHIFT ONE LANE OF TRAFFIC TO THE OUTSIDE OF RAMP E-S (I-71) AND ONE LANE OF TRAFFIC TO THE INSIDE OF I-490 WB. THE CONTRACTOR SHALL CONSTRUCT THE CENTER GORE AREA BETWEEN TRAFFIC.

2ND WINTER OVER PHASE

AFTER THE COMPLETION OF PHASE 3. THE CONTRACTOR SHALL WINTER OVER IN THE EXISTING/PROPOSED TRAFFIC PATTERN. SEE TRAFFIC CONTROL PLANS FOR PAVEMENT MARKING PLACEMENT.

PRE-PHASE 4

PRIOR TO COMMENCING PHASE 4 CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR PHASE 4. DURING CONSTRUCTION OF THE TEMPORARY PAVEMENT. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. ONLY ONE LANE, ADJACENT TO EITHER THE INSIDE OR OUTSIDE SHOULDER MAY BE CLOSED AT ANY ONE TIME BETWEEN 8 PM – 6 AM OR IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART. THIS WORK ZONE SHALL BE REMOVED BY 6 AM DAILY. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

PHASE 4

FROM THE BEGINNING OF THE PROJECT TO THE PEDESTRIAN BRIDGE/W. 11TH STREET THE CONTRACTOR SHALL KEEP EASTBOUND TRAFFIC IN THE PHASE 1 TRAFFIC PATTERN AND KEEP WESTBOUND TRAFFIC INTO THE PROPOSED TRAFFIC PATTERN. THE CONTRACTOR SHALL NOT CONSTRUCT ANY ROADWAY IMPROVEMENTS IN THIS SECTION OF PAVEMENT.

BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND THE END OF THE CUYAHOGA RIVER BRIDGE THE CONTRACTOR SHALL SHIFT THREE WESTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER, SHIFT TWO EASTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER, AND CROSSOVER ONE EASTBOUND LANE ONTO WESTBOUND PAVEMENT. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE EASTBOUND INSIDE SHOULDER AND INSIDE LANES.

PHASE 4 (CONT.)

BETWEEN THE END OF THE CUYAHOGA RIVER BRIDGE AND THE END OF THE PROJECT THE CONTRACTOR SHALL SHIFT TWO WESTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER, SHIFT ONE EASTBOUND LANE TO THE OUTSIDE LANE AND SHOULDER, AND CROSSOVER ONE EASTBOUND LANE ONTO WESTBOUND PAVEMENT. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE EASTBOUND INSIDE SHOULDER AND INSIDE LANES.

ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL CLOSE AND DETOUR THE TOWPATH TRAIL WHEN WORKING ON THE CUYAHOGA RIVER BRIDGE.

PRE-PHASE 5

PRIOR TO COMMENCING PHASE 5 CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR PHASE 5. DURING CONSTRUCTION OF THE TEMPORARY PAVEMENT, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. ONLY ONE LANE, ADJACENT TO EITHER THE INSIDE OR OUTSIDE SHOULDER MAY BE CLOSED AT ANY ONE TIME BETWEEN 8 PM - 6 AM OR IN ACCORDANCE WITH THE MOST UP TO DATE ODOT PERMITTED LANE CLOSURE CHART THIS WORK ZONE SHALL BE REMOVED BY 6 AM DAILY. ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

PHASE 5

FROM THE BEGINNING OF THE PROJECT TO THE PEDESTRIAN BRIDGE/W. 11TH STREET THE CONTRACTOR SHALL SHIFT TWO EASTBOUND INTERSTATE 490 LANES TO THE INSIDE LANES AND SHOULDER AND KEEP WESTBOUND TRAFFIC INTO THE PROPOSED TRAFFIC PATTERN. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE EASTBOUND OUTSIDE SHOULDER AND OUTSIDE LANES

BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND THE END OF THE CUYAHOGA RIVER BRIDGE THE CONTRACTOR SHALL KEEP WESTBOUND TRAFFIC AND THE SINGLE EASTBOUND CROSSED OVER LANE IN THE PHASE 4 TRAFFIC PATTERN AND SHIFT TWO EASTBOUND LANES TO THE OUTSIDE LANES AND SHOULDER. THE CONTRACTOR SHALL CONSTRUCT ALL PROPOSED ROADWAY IMPROVEMENTS TO THE EASTBOUND OUTSIDE SHOULDER AND OUTSIDE LANES.

ALL RAMPS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES EXCEPT FOR THE FOLLOWING RAMPS/MOVEMENTS WHICH MAY BE CLOSED AND DETOURED DURING RAMP/PAVEMENT RECONSTRUCTION ONLY:

EASTBOUND ENTRANCE RAMP 7-C FROM W. 7TH STREET EASTBOUND EXIT RAMP C-B TO BROADWAY AVE.

 \sim THE CONTRACTOR SHALL CLOSE AND DETOUR THE TOWPATH -TRAIL WHEN WORKING ON THE CUYAHOGA RIVER BRIDGE.

PHASE 5A

ALL TRAFFIC SHALL REMAIN IN THE PHASE 5 TRAFFIC PATTERN. EXCEPT FOR RAMP S-E (I-71) AND BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND I-490 EB BEFORE W. 7TH STREET THE CONTRACTOR SHALL SHIFT ONE LANE OF TRAFFIC TO THE INSIDE OF RAMP S-E (I-71) AND ONE LANE OF TRAFFIC TO THE INSIDE OF I-490 EB. THE CONTRACTOR SHALL CONSTRUCT THE OUTSIDE OF RAMP S-E (I-71) AND THE REMAINING I-490 EB PAVEMENT BETWEEN THE PEDESTRIAN BRIDGE/W. 11TH STREET AND W. 7TH STREET.

PHASE 6

THE CONTRACTOR CLOSE THE INSIDE LANE IN BOTH DIRECTIONS AND THE CROSSOVERS SHALL BE REMOVED AND THE PREVIOUSLY SUSPENDED MEDIAN BARRIER SHALL BE CONSTRUCTED. ALL RAMPS SHALL BE OPEN TO TRAFFIC.

PHASE 7

THE CONTRACTOR SHALL PERFORM PAVEMENT PLANING OPERATIONS, PLACE THE FINAL SURFACE COURSE, AND PLACE THE FINAL PAVEMENT MARKINGS THROUGHOUT THE PROJECT LIMITS. ALL WORK SHALL BE RESTRICTED TO NIGHTTIME HOURS BETWEEN 8 PM AND 6 AM. DURING PAVEMENT PLANING OPERATIONS AND PLACEMENT OF THE FINAL SURFACE COURSE. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-95.30. DURING PLACEMENT OF THE FINAL PAVEMENT MARKINGS. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH MT-99.20.

ESIGN AGENCY



ESIGNER KRM

REVIEWER AKF 11-21-23

107408

ROJECT ID 60 1068

REVISIONS NO. DATE **DESCRIPTION** CANALWAY PARTNERS AND CLE. METROPARKS CONTACT 1 01/15/24 INFO ADDED AND TOWPATH TRAIL CLOSURE ADDED TO SEQUENCE OF CONSTRUCTION PHASES

PAR⁻ -0.00 90 4

SCHEDULE OF THROUGH LANES TO BE MAINTAINED

ALL LANE CLOSURES MAY ONLY BE IMPLEMENTED AT THE TIMES PERMITTED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES" LIST, WHICH IS LOCATED ON THE ODOT WEBSITE:

http://www.dot.state.oh.us/districts/D12/HighwayManagement/Pages/PermittedLaneClosures.aspx

THE LATEST REVISION, AT 14 DAYS PRIOR TO THE BID, SHALL BE IN EFFECT FOR THIS PROJECT.

NO LANE OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED, UNLESS DIRECTED BY THE ENGINEER. SHOULDER CLOSURES SHALL ONLY BE ALLOWED AT THE TIMES SPECIFIED FOR LANE CLOSURES.

ANY ROADWAY NOT LISTED SHALL NOT HAVE ANY CLOSURES ON WEEKDAYS FROM 6:00 AM TO 9:00 AM AND 3:00 PM TO 6:00 PM. CONTACT TROY ONESTI, DISTRICT 12 WORK ZONE TRAFFIC MANAGER, AT (216) 584-2204 IF THERE ARE ANY QUESTIONS.

ALL NOTES ON THE PERMITTED LANE CLOSURE TIMES SHALL BE PART OF THE PROJECT.

ITEM 614 - MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

- 1. A MINIMUM OF THREE (3) ELEVEN FOOT (11') LANES OF TRAFFIC ON I-490 (UNLESS OTHERWISE SPECIFIED IN THE PLANS) IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT OR ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, DURING CONSTRUCTION OF THE WORK.
- 2. THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (216) 584-2006 FOURTEEN (14) DAYS PRIOR TO THE BEGINNING OF WORK.
- 3. LANE RESTRICTIONS OR LANE REDUCTIONS SHALL NOT BE PERMITTED AFTER NORMAL WORKING HOURS. NORMAL WORKING HOURS SHALL BE THOSE HOURS DURING WHICH THE CONTRACTOR HAS A FULL COMPLEMENT OF EMPLOYEES AND EQUIPMENT ACTIVELY REMOVING AND/OR PLACING PAVEMENT MATERIALS.
- 4. WHEN DETOUR SIGNS ARE IN USE, ALL CONFLICTING SIGNS SHALL BE COVERED.
- 5. FOR ROUTES NOT ON THE PERMITTED LANE CLOSURE CHART, ONLY DURING ANY PERIOD OTHER THAN 6-9 AM AND 3-6 PM SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
- 6. LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME. AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.
- 7. A MINIMUM OF ONE LANE OF TRAFFIC ON RAMPS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED THE CONSECUTIVE CALENDAR DAYS LISTED ON THE LANE VALUE CONTRACT TABLE, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS 124 - 136 . A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT LISTED ON THE LANE VALUE CONTRACT TABLE PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.
- 8. IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.
- 9. THE TEMPORARY TRAFFIC CONTROL SHALL BE MAINTAINED THROUGHOUT THIS PROJECT BY THE CONTRACTOR. PERMANENT TRAFFIC CONTROL MAY BE TEMPORARILY RELOCATED AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED SIGNS. ANY WORK DONE BY THE CITY OF CLEVELAND OR THE OHIO DEPARTMENT OF TRANSPORTATION. INCLUDING INSTALLATION. MODIFICATION. REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES. AS A RESULT OF WORK DONE BY THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

ITEM 614 - MAINTAINING TRAFFIC (CONT.)

10. NO WORK SHALL BE PERFORMED AND ALL EXISTING MAINLINE I-490 LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS **NEW YEAR'S** TOTAL SOLAR ECLIPSE (4/8/24) GENERAL/REGULAR ELECTION DAY (NOV.)

FOURTH OF JULY LABOR DAY **THANKSGIVING** MEMORIAL DAY

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

| DAY OF HOLIDAY OR SPECIAL EVENT | TIME ALL MAINLINE 1-490 LANES MUST BE OPEN TO TRAFFIC |
|------------------------------------|--|
| SUNDAY | 12:00N FRIDAY THROUGH 6:00 AM MONDAY |
| MONDAY | 12:00N FRIDAY THROUGH 6:00 AM TUESDAY |
| MONDAY (TOTAL SOLAR ECLIPSE) | 12:00N FRIDAY THROUGH 6:00 AM WEDNESDAY |
| TUESDAY | 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY |
| TUESDAY (GEN./REG. ELECTION) | 5:00 AM TUESDAY THROUGH 12:00 AM WEDNSDAY |
| WEDNESDAY | 12:00N TUESDAY THROUGH 6:00 AM THURSDAY |
| THURSDAY | 12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY |
| THURSDAY (THANKSGIVING ONLY) | 6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY |
| FRIDAY | 12:00N THURSDAY THROUGH 6:00 AM MONDAY |
| SATURDAY | 12:00N FRIDAY THROUGH 6:00 AM MONDAY |

DURING THE SAME PERIOD, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS. THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127). \sim

IN THE VICINITY OF THE TRAIL THE EXISTING TOWPATH TRAIL SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED EVENTS:

- TOWPATH MARATHON - FIRST WEEKEND OF OCTOBER 2024 - TOWPATH TRAIL LANTERN PARADE - FIRST WEEKEND OF MARCH 2025

PRIOR TO OPENING TRAFFIC EACH LANE SHALL BE IN A SAFE. PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. UNEVEN LONGITUDINAL JOINTS SHALL BE TREATED IN ACCORDANCE WITH ODOT SCD MT-101.90. AT UNEVEN TRANSVERSE JOINTS, THE CONTRACTOR SHALL PROVIDE TEMPORARY ASPHALT RAMPING TO ENSURE A SMOOTH TRANSITION FOR THE TRAVELING PUBLIC. THE MINIMUM TAPER RATE FOR TEMPORARY RAMPING AT UNEVEN TRANSVERSE JOINTS IS 120:1. PRIOR TO PLACING THE SURFACE COURSE, ALL TEMPORARY RAMPING AND WEDGE MATERIAL SHALL BE REMOVED. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 614 - ASPHALT CONCRETE FOR MAINTAINING TRAFFIC

250 CY

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION. PAYMENT FOR ALL LABOR. EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC. UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DRUM REQUIRMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS. SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED. PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

LANE VALUE CONTRACT (PN 127)

THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE. OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE.

| LA | NE VALUE CONTR | RACT TABLE |
|----------|----------------|------------|
| = | | |

| DESCRIPTION OF CRITICAL LANE/ RAMP TO BE MAINTAINED | RESTRICTED TIME PERIOD | TIME UNIT | DISINCENTIVE \$ PER TIME PERIOD |
|--|---------------------------|-------------------------|------------------------------------|
| I-490 - BEGIN PROJECT TO SR-176 SPLIT (EB) | PER PLCS | PER LANE/ PER MINUTE | \$85 |
| I-490 - SR-176 SPLIT TO BROADWAY (EB) | PER PLCS | PER LANE/ PER MINUTE | \$155 |
| I-490 - BROADWAY TO END PROJECT (EB) | PER PLCS | PER LANE/ PER MINUTE | \$120 |
| I-490 - END PROJECT TO BROADWAY (WB) | PER PLCS | PER LANE/ PER MINUTE | \$265 |
| I-490 - BROADWAY TO I-71 SPLIT (WB) | PER PLCS | PER LANE/ PER MINUTE | \$155 |
| I-490 / I-71 SPLIT TO BEGIN PROJECT (WB) | PER PLCS | PER LANE/ PER MINUTE | \$125 |
| | | | |

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES AND CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY:

ITEM 616, WATER

REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS. SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

300 MGAL

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS. AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE. SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 50 EACH HAS BEEN PROVIDED IN THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY.

| | | REVISIONS |
|-----------|----------|---|
| NO. | DATE | DESCRIPTION |
| <u>^1</u> | 01/15/24 | ADDED #11 TO 614 - MOT NOTE AND MOVED PORTION OF THE LANE VALUE CONTRACT TO NEW NOTE ON NEW SHEET 65A |

ITEM 622 - PORTABLE BARRIER. 50". AS PER PLAN

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING. PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE

CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS. PAYMENT SHALL INCLUDE ALL LABOR. MATERIAL. AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE APPROVED MOT EXCEPTION PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP))

APPROVED MOT EXCEPTION(S) INCLUDE:

I-77 SB TO I-490 EB (RAMP N-E) I-77 NB TO I-490 WB (RAMP S-W)

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER AND THE CITY OF CLEVELAND AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND EMAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 12 / 07 / 2023 FOR PID 107408" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED. THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING. THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

ITEM 614 - DETOUR SIGNING

ALL REQUIRED SIGNS AND SUPPORTS SHALL BE FURNISHED, ERECTED, MAINTAINED AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614 - DETOUR SIGNING.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC GENERAL SUMMARY:

ITEM 614 - DETOUR SIGNING

ITEM 611 - 12" CONDUIT, TYPE B, AS PER PLAN

THIS ITEM SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY FOR CONSTRUCTION OF THE 12" CONDUIT, TYPE B, AS PER PLAN BETWEEN TWO CONSECUTIVE TRENCH DRAINS. THE CONSTRUCTION METHOD AND BACKFILL MATERIAL SHALL MATCH SUPPLEMENTAL SPECIFICATION 839 - TRENCH DRAIN SYSTEM.

PAYMENT FOR ITEM 611 - 12" CONDUIT, TYPE B, AS PER PLAN SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 615 - ROADS FOR MAINTAINING TRAFFIC, AS PER PLAN.

ESIGN AGENCY

ESIGNER KRM REVIEWER AKF 11-21-23

GPD GROUP

ROJECT ID 107408

61 1068

INCENTIVE/DISINCENTIVE CONTRACT (PN 121)

THE CONTRACTOR SHALL COMPLETE ALL CRITICAL WORK AND SAFETY ITEMS ACCORDING TO THE INCENTIVE/ DISINCENTIVE CONTRACT TABLE BELOW. IN THE EVENT THE CONTRACTOR IMPEDES THE FLOW OF TRAFFIC SUBSEQUENT TO THE OPENING TO UNRESTRICTED TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/ DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS SHOWN BELOW IN THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE. OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE AT THEIR FINAL DESIGN WIDTH WITH ALL MARKINGS. RPM'S. AND SAFETY FEATURES INSTALLED. ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

INCENTIVE/DISINCENTIVE AMOUNT: THE CONTRACTOR WILL BE PAID AN INCENTIVE OR WILL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/ DISINCENTIVE CONTRACT TABLE BELOW.

EXTENSIONS OF TIME WILL BE FOR CALENDAR DAYS AND CALCULATED IN ACCORDANCE WITH C&MS 108.06 EXCEPT AS FOLLOWS: NO EXTENSIONS OF TIME WILL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES (UNLESS SUCH DELAYS ARE INDUSTRY WIDE). AND LABOR STRIKES (UNLESS SUCH STRIKES ARE AREA WIDE).

| | INCENTIVE/DIS | INCENTIVE TABLE | |
|--|--------------------|----------------------------|-------------------------|
| DESCRIPTION OF CRITICAL WORK | COMPLETION DATE | DISINCENTIVE \$ PER DAY | INCENTIVE \$ PER DAY |
| COMPLETION OF PHASE 1 PRIOR TO WINTER SHUTDOWN | 10-15-2024 | ASSESSED PER CMS 108.07 | \$ O |
| COMPLETION OF PHASE 3A PRIOR TO WINTER SHUTDOWN | 10-15-2025 | ASSESSED PER CMS 108.07 | \$ O |

FLEXIBLE START WINDOW CONTRACT (PN 129)

THE CONTRACTOR HAS THE NUMBER OF CALENDAR DAYS DESIGNATED IN THE WINDOW CONTRACT TABLE IN WHICH TO COMPLETE ALL ITEMS OF CRITICAL WORK. THE WINDOW CONTRACT TABLE IS LOCATED BELOW. THE CONTRACTOR MAY BEGIN ANY TIME AS IDENTIFIED IN THE WINDOW CONTRACT TABLE AND MUST COMPLETE THE CRITICAL WORK WITHIN THE CALENDAR DAYS DESIGNATED IN THE WINDOW CONTRACT TABLE OR BY THE COMPLETION DATE LISTED IN THE PROPOSAL, WHICHEVER COMES FIRST.

CRITICAL WORK IS SHOWN IN THE WINDOW CONTRACT TABLE.

COMPLETION OF CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE AT THEIR FINAL DESIGN WIDTH WITH ALL MARKINGS. RPM'S. AND SAFETY FEATURES INSTALLED. ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

THE CONTRACTOR MUST SCHEDULE THE LATEST START DATE OF THE CRITICAL WORK PRIOR TO THE FOLLOWING CALCULATED DATE:

LATE CRITICAL WORK START DATE = [WORK WINDOW END DATE] -[(CALENDAR DAYS TO COMPLETE) X 1.25]

IF THE CRITICAL WORK IS NOT STARTED BY THE LATE CRITICAL WORK START DATE. THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE AS DEFINED IN THE WINDOW CONTRACT TABLE FOR EVERYDAY THE CONTRACTOR DOES NOT START THE CRITICAL WORK.

FLEXIBLE START WINDOW CONTRACT (PN 129) (CONTINUED)

IF THE WORK IS NOT COMPLETED WITHIN THE CALENDAR DAYS DESIGNATED IN THE WINDOW CONTRACT TABLE. THE CONTRACTOR WILL BE SUBJECT TO DISINCENTIVES AS IDENTIFIED IN THE CONTRACT CRITICAL WORK TABLE. IF THE WINDOW CONTRACT CRITICAL WORK TABLE DOES NOT DESIGNATE A DISINCENTIVE VALUE, THE CONTRACTOR WILL BE SUBJECT TO THE LIQUIDATED DAMAGES IN ACCORDANCE WITH THE SCHEDULE SET FORTH IN C&MS 108.07.

108.06 C SHALL BE MODIFIED TO THE FOLLOWING AND SHALL BE APPLICABLE ONLY TO THE CRITICAL WORK (AS DEFINED IN THE WINDOW CONTRACT TABLE):

108.06 C EXTENSION TO THE COMPLETION DATE FOR WEATHER OR SEASONAL CONDITIONS. A WEATHER DAY FOR CRITICAL WORK IS DEFINED AS A WORKDAY THAT WEATHER REDUCED PRODUCTION BY MORE THAN 50 PERCENT ON ITEMS OF WORK ON THE CRITICAL PATH FOR CRITICAL WORK. SUBMIT A REQUESTED FOR AN EXTENSION OF TIME FOR A LOST WORKDAY DUE TO WEATHER WITH 2 DAYS OF OCCURRENCE. THE ENGINEER WILL EXTEND THE CALENDAR DAYS TO COMPLETE BY CALENDAR DAYS. THE ENGINEER WILL CONVERT WORKDAYS TO CALENDAR DAYS FOR EACH LOST WORKDAY DUE TO WEATHER BY MULTIPLYING THE NUMBER OF LOST WORKDAYS BY 1.4 FOR A 5-DAY WORK WEEK OR LESS: 1.2 FOR A 6-DAY WORK WEEK: AND 1 FOR A 7-DAY WORK WEEK: AND EXTEND THE CALENDAR DAYS TO COMPLETE BY THE RESULTING NUMBER OF CALENDAR DAYS PLUS ANY HOLIDAYS THE CONTRACTOR DOES NOT NORMALLY WORK THAT OCCUR IN THE EXTENSION PERIOD. WHEN THE CONVERSION OF WORKDAYS TO CALENDAR DAYS RESULTS IN A DECIMAL OF 0.5 OR GREATER, THE ENGINEER WILL ROUND THE NUMBER OF CALENDAR DAYS TO THE NEXT HIGHEST WHOLE NUMBER. WHEN THE CONVERSION RESULTS IN A DECIMAL LESS THAN 0.5. THE ENGINEER WILL DELETE THE DECIMAL PORTION OF THE CALENDAR DAYS.

| | FLEXIE | BLE START WI | NDOW TABLE | | | | |
|-------------------------------|---|------------------------|-----------------|-------------|----------|--|--|
| | DESCRIPTION OF | CALENDAR DAYS TO | DISINCENTIVE \$ | WORK WINDOW | | | |
| | CRITICAL WORK | COMPLETE | PER DAY | START | END | | |
| FOR ALL 1-71 SB | I-490 - SR-10 WB TO I-71 SB (PH 2 & 3) | 210 DAYS (PH 2 & 3) | \$ 3,000 | 4-1-25 | 10-15-25 | | |
| PAVEMENT FO. | RAMP C-7 (W. 7TH ST.) | 45 DAYS (PH 3) | \$ 3,000 | 7-1-25 | 10-15-25 | | |
| ICE THE PAVE 1-490/SR-10 V | RAMP B-C (ROCKEFELLER AVE.) | 45 DAYS (PH 3) | \$ 8,000 | 7-1-25 | 10-15-25 | | |
| PLACE TI PT 1-490 | RAMP 7-7C (W. 7TH ST.) | 45 DAYS (PH 5) | \$ 8,000 | 6-1-26 | 8-1-26 | | |
| TO REPLACED ED | RAMP C-B (BROADWAY AVE.) | 45 DAYS (PH 5) | \$ 3,000 | 6-1-26 | 8-1-26 | | |
| WORK NEEDED RAMPS LISTE | RAMP N-E (I-77 SB) | 60 DAYS (PH 5) | \$ 1,500 | 6-1-26 | 8-1-26 | | |
| WORK | RAMP S-W (I-77 NB) | 45 DAYS (PH 2A) | \$ 8,000 | 4-1-25 | 7-1-25 | | |

ESIGN AGENCY



ESIGNER KRM

DESCRIPTION CREATED SHEET, ADDED PN 121, ADDED PN 129, UPDATED DISINCENTIVE \$ AMOUNTS AND ADDED WORK WIDOWS BASED ON ODOT COMMENTS

REVISIONS

NO. DATE

<u>/1</u>\|01/15/24

REVIEWER AKF 11-21-23

107408

65A 1068

SHEET NUM. PART. ITEM GRAND SEE ITEM UNIT DESCRIPTION SHEET NO OFFICE EXT TOTAL 457 01/IMS/04 CALCS **ROADWAY** 25014 EACH 53 61 61 622 61 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 3 622 25015 EACH 53 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH 622 5 25050 5 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D EACH 52 622 25051 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN BARRIER, MISC.: CONCRETE BARRIER, TYPE B50, AS PER PLAN 52 622 5 90000 MONUMENT ASSEMBLY, TYPE C 30 30 623 30 38500 ~SPECIAL~ handradamhandradamhandradamh 69098400 51 huuhuuhuuhuuhuuhuuhuuhuuhuuhuuh متت LLLL **EROSION CONTROL** 1,457 1,457 1,457 CONCRETE SLOPE PROTECTION 601 21000 SY 21050 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT 18 26 601 26 21060 TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT 20 20 601 20 169 169 601 37501 169 FT PAVED GUTTER, TYPE 1-2, AS PER PLAN 58 562 562 38501 562 PAVED GUTTER, TYPE 3, AS PER PLAN 58 601 FT **SUMMARY** 659 EACH 00100 SOIL ANALYSIS TEST 8,895 8,895 7,419 1,476 00300 659 3,490 3,490 00530 3,490 SY SEEDING AND MULCHING, CLASS 3B 63,346 63,346 10000 659 63,346 SEEDING AND MULCHING 3,342 3,342 3,342 REPAIR SEEDING AND MULCHING 659 14000 GENERAL 3,342 3,342 15000 659 INTER-SEEDING 9.33 TON 9.33 9.33 659 20000 COMMERCIAL FERTILIZER 13.81 13.81 ACRE 659 31000 13.81 370 MGAL WATER 370 659 370 35000 150 150 659 150 MSF MOWING 40000 10,282 DITCH EROSION PROTECTION 10,282 00700 10,282 670 LS LS 832 15000 LS STORM WATER POLLUTION PREVENTION PLAN 15002 LS STORM WATER POLLUTION PREVENTION INSPECTIONS LS 15010 STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE LS 832 LS 375,000 375,000 832 30000 375,000 **EROSION CONTROL** EACH DESIGN AGENCY -490-0.00 PART **GPD GROUP**° ESIGNER JAN REVIEWER PJF 11-21-23 **REVISIONS** DESCRIPTION 107408 1 01/15/24 PERMITS QUANTITY ADDED 453 TOTAL 1068

NOTES 90-0100 GA RIVER

ITEM 518 - STRUCTURE DRAINAGE. MISC.: SCUPPER GRATE REPLACEMENT:

DESCRIPTION: THIS WORK CONSISTS OF FURNISHING AND INSTALLING A NEW GRATE FOR A "TYPE 1 SCUPPER" IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS ON SHFFT 98/120.

MATERIALS: STRUCTURAL STEEL FOR SCUPPER GRATES SHALL BE ASTM A709 GRADE 36 OR 50. GALVANIZED IN ACCORDANCE WITH C&MS 711.02. FURNISH MATERIALS IN CONFORMANCE WITH C&MS 513 AND C&MS 518.

MEASUREMENT AND PAYMENT: THE DEPARTMENT WILL MEASURE THIS WORK BY THE NUMBER OF EACH ACCEPTED IN PLACE. THE BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE SCUPPER GRATE REPLACEMENT. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID FOR ITEM 518 - STRUCTURE DRAINAGE, MISC.: SCUPPER GRATE REPLACEMENT.

ITEM 518 - STRUCTURE DRAINAGE, MISC.: BRIDGE DRAINAGE SYSTEM CLEANING:

DESCRIPTION: THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE BRIDGE DECK, THE BRIDGE SEATS AT ALL SUBSTRUCTURES, AND ALL PORTIONS OF THE EXISTING BRIDGE DRAINAGE SYSTEM TO BE REUSED, INCLUDING THE INLETS, CATCH BASINS, AND PIPES OF THE UNDERGROUND STORM SEWER SYSTEM AS SHOWN IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER C&MS 105.16 AND 105.17. ALL DOWNSPOUTS AND SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

EXECUTION: AFTER THE SEDIMENT AND DEBRIS ARE REMOVED, THE EXISTING BRIDGE DRAINAGE SYSTEM SHALL BE FLUSHED WITH CLEAN WATER MAKING CERTAIN THE WATER FLOWS SMOOTHLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT PRIOR TO BEGINNING WORK FOR THE PURPOSE OF EXAMINING THE PORTIONS OF THE EXISTING BRIDGE DRAINAGE SYSTEM TO REMAIN AFTER CLEANING TO VERIFY THE CONDITION OF ALL DOWNSPOUTS AND SEWERS. THE CONTRACTOR'S SUPERINTENDENT SHALL ACCOMPANY THE ENGINEER IN MAKING THE DETAILED EXAMINATION OF THE DRAINAGE SYSTEM.

MEASUREMENT AND PAYMENT: THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE BID PRICE SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE BRIDGE DRAINAGE SYSTEM CLEANING. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID FOR ITEM 518 - STRUCTURE DRAINAGE, MISC.: BRIDGE DRAINAGE SYSTEM CLEANING.

ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN:

THIS ITEM CONSISTS OF CONSTRUCTING REINFORCED CONCRETE APPROACH SLABS WITH INTEGRAL CURBS AND/OR MEDIAN BARRIER IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, STANDARD DRAWINGS AS-1-15 AND AS-2-15, AND CMS 526.

MEASUREMENT AND PAYMENT: THE DEPARTMENT WILL MEASURE THIS WORK BY THE NUMBER OF SQUARE YARDS ACCEPTED IN PLACE. THE BID PRICE SHALL INCLUDE ALL CONCRETE FOR THE APPROACH SLABS, INTEGRAL CURBS AND/OR MEDIAN BARRIER, EPOXY COATED REINFORCING STEEL, PREFORMED EXPANSION JOINT FILLER, JOINT SEALER, AND ALL OTHER INCIDENTAL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THE WORK. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICE BID FOR ITEM 526 - REINFORCED CONCRETE APPROACH SLABS (T=13"). AS PER PLAN.

ITEM 844 - CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION. AS PER PLAN:

THIS WORK CONSISTS OF PATCHING EXISTING REINFORCED CONCRETE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 844, MODIFIED AS FOLLOWS:

WHERE THE AREA OF AN INDIVIDUAL REPAIR, AS DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION, TOTALS LESS THAN FIVE (5) SQUARE FEET, THE INSTALLATION OF GALVANIC ANODES IS NOT REQUIRED. AND THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH C&MS 519.

ANODE SPACING SHALL BE 30" FOR REPAIRS ON EXISTING ABUTMENTS, 28" FOR REPAIRS ON EXISTING PIERS, AND 24" FOR REPAIRS ON EXISTING SUPERSTRUCTURE PARAPETS.

ASBESTOS NOTIFICATION:

A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST SURVEYED THE BRIDGE STRUCTURE SCHEDULED FOR DEMOLTION AND/OR REHABILITATION: THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURE.

ODOT SHALL PROVIDE A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED AND SIGNED BY THE BRIDGE OWNER, TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO ONE OF THE ADDRESSES BELOW AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION.

ASBESTOS PROGRAM OHIO EPA. DAPC P.O. BOX 1049 COLUMBUS. OH 43216-1049

ASBESTOS PROGRAM OHIO EPA, DAPC 50 W. TOWN ST., SUITE 700 COLUMBUS. OH 43215

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE FORM SHALL INCLUDE: 1) THE CONTRACTORS NAME AND ADDRESS. 2) THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE BRIDGE REMOVAL AND 3) A DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHOD(S) TO BE USED. COPIES OF THE OEPA FORM AND BRIDGE INSPECTION REPORT ARE AVAILABLE FOR REVIEW AT THE ODOT DISTRICT 12 OFFICE, 5500 TRANSPORTATION BOULEVARD, GARFIELD HEIGHTS, OHIO 44125.

BASIS FOR PAYMENT: THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

SUMMARY OF PROPOSED REHABILITATION WORK:

THE FOLLOWING LIST CONTAINS THE MAJOR ITEMS OF WORK INCLUDED IN THESE PLANS FOR THE REHABILITATION OF THIS STRUCTURE:

- 1. REPLACEMENT OF THE EXISTING APPROACH SLABS.
- 2. REPLACEMENT OF PARAPET TRANSITIONS TO ACCEPT MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 OR TYPE 2, AND REPLACEMENT OF APPROACH GUARDRAIL.
- 3. REPLACEMENT OF THE EXISTING STRIP SEAL OR SLIDING PLATE EXPANSION JOINTS AT THE WEST ABUTMENT, EAST ABUTMENT, ABUTMENT B-C, AND ABUTMENT C-B, AND INTERMEDIATE JOINT 6 ON RAMP C-B WITH NEW STRIP SEAL EXPANSION JOINTS, INCLUDING REPLACEMENT OF THE EXISTING END CROSSFRAMES AND RECONSTRUCTION OF THE TOPS OF THE ABUTMENT BACKWALLS AND PORTIONS OF THE EXISTING DECK SLAB AND PARAPETS AT ALL LOCATIONS.
- 4. REPAIR OF THE EXISTING INTERMEDIATE FINGER EXPANSION JOINTS, JOINTS 1 THRU 5. INCLUDING REPLACEMENT OF MISSING/DAMAGED FINGERS AT JOINTS 2 AND 3.
- 5. REPLACEMENT OF THE EXISTING NEOPRENE DRAINAGE TROUGHS BELOW JOINTS 1 THRU 5 WITH NEW GALVANIZED STEEL DRAINAGE TROUGHS, INCLUDING THE INSTALLATION OF A NEW COLLECTOR PIPE SYSTEM SEPARATE FROM THAT OF THE DECK SCUPPERS, AND REMOVAL OF THE EXISTING NEOPRENE DRAINAGE TROUGH BELOW JOINT 6.
- 6. CLEANOUT OF THE EXISTING DECK SCUPPERS, REPLACEMENT OF ONE EXISTING DECK SCUPPER GRATE, REPLACEMENT OF THE EXISTING DOWNSPOUT PIPE SYSTEM. AND CLEANING OF EXISTING STORM SEWERS.
- 7. MISCELLANEOUS REPAIRS TO THE SUPERSTRUCTURE STEEL, INCLUDING REPLACEMENT OF LOOSE AND MISSING BOLTS, REPAIR OF THE EXISTING INSPECTION SAFETY CABLE SYSTEM. SHIMMING OF THE FLOATING BEARINGS OF THREE (3) BEAMS AT THE WEST ABUTMENT, AND REMOVAL OF EXISTING PIER ACCESS MANHOLES AND LADDERS.
- 8. PAINTING OF THE BEAM/GIRDER ENDS AT THE ABUTMENTS AND INTERMEDIATE EXPANSION JOINTS.
- 9. REPLACEMENT OF THE EXISTING BRIDGE DECK OVERLAY, INCLUDING FULL-DEPTH DECK SLAB REPAIRS.
- 10. SUBSTRUCTURE CONCRETE PATCHING AND CRACK REPAIR.
- 11. SUPERSTRUCTURE AND SUBSTRUCTURE CONCRETE SEALING.
- 12. REPLACEMENT OF THE EXISTING CONCRETE SLOPE PROTECTION AT THE SOUTH COLUMN OF PIER 14R.

SUGGESTED CONSTRUCTION PROCEDURE:

PRE-PHASE WORK, USING INSIDE SHOULDER CLOSURE:

- 1. PERFORM CLEAN-OUT OF ALL SCUPPERS ALONG THE MEDIAN PARAPETS.
- 2. CLEAN ALL DEBRIS FROM INSIDE SHOULDERS IN BOTH DIRECTIONS.

PHASE 1 CONSTRUCTION:

1. PHASE 1 CONSTRUCTION ACTIVITIES DO NOT OCCUR ON THE BRIDGE. PLEASE SEE SHEETS 74 AND 75 OF THE MOT PLANS FOR ADDITIONAL INFORMATION.

PHASE 2 CONSTRUCTION:

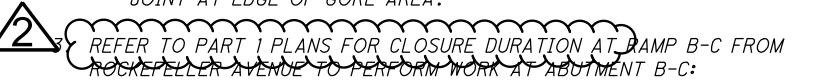
- 1. IMPLEMENT PHASE 2 MAINTENANCE OF TRAFFIC. SHIFT TRAFFIC AND MAINTAIN THREE LANES OF I-490 TRAFFIC IN EACH DIRECTION ON THE EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS AND THE OUTER PORTION OF THE EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. SAW CUT THE EXISTING BRIDGE DECK OVERLAY AND THE EXISTING EAST AND WEST ABUTMENT APPROACH SLABS AND TOP OF BACKWALL AT OFFSET OF 36'-7" LEFT OF € I-490.
- 3. PERFORM WORK AT THE WEST ABUTMENT AND EAST ABUTMENT:
 - A. REMOVE INNER PORTIONS OF EXISTING APPROACH SLABS AND MEDIAN PARAPET.
 - B. REMOVE INNER PORTIONS OF EXISTING TOPS OF BACKWALL, EXPANSION JOINTS, AND ENDS OF BRIDGE DECK.
 - C. REMOVE AND REPLACE EXISTING END CROSSFRAMES WITHIN THE SAME LIMITS. RESET BEARINGS OF BEAMS M AND N AFTER EXISTING CROSSFRAME REMOVAL AND BEFORE PROPOSED CROSSFRAME INSTALLATION.
 - D. INSTALL INNER PORTION OF PROPOSED STRIP SEAL EXPANSION JOINTS.
 - E. CONSTRUCT INNER PORTIONS OF PROPOSED ENDS OF DECK, TOPS OF BACKWALL, APPROACH SLABS, AND MEDIAN PARAPETS. BUILD TO LONG-ITUDINAL CONSTRUCTION JOINT AT OFFSET OF 35'-7" LEFT OF € 1-490.
- 4. PERFORM REPAIRS TO INNER PORTIONS OF EXISTING MAINLINE BRIDGE DECK. FINGER JOINTS, AND MEDIAN PARAPETS.

PHASE 3 CONSTRUCTION:

1. IMPLEMENT PHASE 3 MAINTENANCE OF TRAFFIC. SHIFT TRAFFIC AND MAINTAIN THREE LANES OF I-490 TRAFFIC IN EACH DIRECTION ON THE EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS AND THE INNER PORTION OF THE EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS.

2. REFER TO PART I PLANS FOR CLOSURE DURATION AT BAMP C-7 TO W. 7TH ST. TO PERFORM WORK AT THE EXIT RAMP PORTION OF THE WEST ABUTMENT:

- A. REMOVE OUTER PORTION OF EXISTING APPROACH SLAB AND EXISTING PARAPET ON ABUTMENT WINGWALL.
- B. REMOVE OUTER PORTIONS OF EXISTING TOP OF BACKWALL. EXPANSION JOINT. AND END OF BRIDGE DECK.
- C. REMOVE AND REPLACE EXISTING END CROSSFRAMES WITHIN THE SAME LIMITS. RESET BEARING OF BEAM D AFTER EXISTING CROSSFRAME REMOVAL AND BEFORE PROPOSED CROSSFRAME INSTALLATION.
- D. INSTALL OUTER PORTION OF PROPOSED STRIP SEAL EXPANSION JOINT.
- E. CONSTRUCT OUTER PORTION OF PROPOSED END OF DECK, TOP OF BACKWALL, AND APPROACH SLAB. BUILD TO LONGITUDINAL CONSTRUCTION JOINT AT EDGE OF GORE AREA.



- A. REMOVE EXISTING APPROACH SLAB AND EXISTING NORTH PARAPET ON ABUTMENT WINGWALL.
- B. REMOVE EXISTING TOP OF BACKWALL, EXPANSION JOINT, AND END OF BRIDGE DECK.

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PHASE 3 CONSTRUCTION (CONTINUED):

- C. REMOVE AND REPLACE ALL EXISTING END CROSSFRAMES.
- D. INSTALL PROPOSED STRIP SEAL EXPANSION JOINT.
- E. CONSTRUCT PROPOSED END OF DECK, TOP OF BACKWALL, APPROACH SLAB, AND NORTH PARAPET ON ABUTMENT WINGWALL.
- 4. PERFORM REPAIRS TO OUTER PORTIONS EXISTING MAINLINE BRIDGE DECK. FINGER JOINTS, AND EXTERIOR PARAPETS AS REQUIRED TO RE-OPEN THE ENTRANCE AND EXIT RAMPS TO TRAFFIC.
- 5. PERFORM WORK AT THE REMAINING PORTION OF THE WEST ABUTMENT AND AT THE EAST ABUTMENT:
 - A. REMOVE OUTER PORTIONS OF EXISTING APPROACH SLABS AND EXISTING PARAPETS ON ABUTMENT WINGWALLS.
 - B. REMOVE OUTER PORTIONS OF EXISTING TOPS OF BACKWALL, EXPANSION JOINTS, AND ENDS OF BRIDGE DECK.
 - C. REMOVE AND REPLACE EXISTING END CROSSFRAMES WITHIN THE SAME LIMITS.
 - D. INSTALL OUTER PORTIONS OF PROPOSED STRIP SEAL EXPANSION JOINT.
 - E. CONSTRUCT OUTER PORTIONS OF PROPOSED ENDS OF DECK, TOPS OF BACKWALL, APPROACH SLABS, AND PARAPETS ON ABUTMENT WINGWALLS. BUILD TO LONGITUDINAL CONSTRUCTION JOINT AT OFFSET OF 35'-7" LEFT OF € I-490.
- 6. PERFORM REPAIRS TO REMAINING OUTER PORTIONS OF EXISTING EASTBOUND BRIDGE DECK, FINGER JOINTS, AND EXTERIOR PARAPETS.
- 7. PERFORM CLEAN-OUT OF ALL SCUPPERS ALONG THE EXTERIOR PARAPET.

PHASE 4 CONSTRUCTION:

- 1. IMPLEMENT PHASE 4 MAINTENANCE OF TRAFFIC. SHIFT TRAFFIC AND MAINTAIN THREE LANES OF I-490 TRAFFIC IN EACH DIRECTION ON THE EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS AND THE OUTER PORTION OF THE EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. SAW CUT THE EXISTING BRIDGE DECK OVERLAY AND THE EXISTING EAST AND WEST ABUTMENT APPROACH SLABS AND TOP OF BACKWALL AT OFFSET OF 37'-7" RIGHT OF € I-490.
- 3. PERFORM WORK AT THE WEST ABUTMENT AND EAST ABUTMENT:
 - A. REMOVE INNER PORTIONS OF EXISTING APPROACH SLABS AND EXISTING PARAPETS ON ABUTMENT WINGWALLS.
 - B. REMOVE INNER PORTIONS OF EXISTING TOPS OF BACKWALL, EXPANSION JOINTS, AND ENDS OF BRIDGE DECK.
 - C. REMOVE AND REPLACE EXISTING END CROSSFRAMES WITHIN THE SAME LIMITS.
 - D. INSTALL INNER PORTIONS OF PROPOSED STRIP SEAL EXPANSION JOINTS.
 - E. CONSTRUCT INNER PORTIONS OF PROPOSED ENDS OF DECK, TOPS OF BACKWALL, APPROACH SLABS, AND MEDIAN PARAPETS. BUILD TO LONG-ITUDINAL CONSTRUCTION JOINT AT OFFSET OF 36'-7" RIGHT OF @ I-490.
- 4. PERFORM REPAIRS TO INNER PORTIONS OF EXISTING MAINLINE BRIDGE DECK, FINGER JOINTS, AND MEDIAN PARAPETS.

PHASE 5 CONSTRUCTION:

- 1. IMPLEMENT PHASE 5 MAINTENANCE OF TRAFFIC. SHIFT TRAFFIC AND MAINTAIN THREE LANES OF I-490 TRAFFIC IN EACH DIRECTION ON THE EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS AND THE INNER PORTION OF THE EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. REFER TO PART I PLANS FOR CLOSURE DURATION AT RAMP C-B TO BROADWAY AVENUE TO PERFORM WORK AT ABOTMENT CABAND YOINT 6:
 - A. REMOVE EXISTING APPROACH SLAB AND EXISTING PARAPETS ON ABUTMENT WINGWALLS.

PHASE 5 CONSTRUCTION (CONTINUED):

- B. REMOVE EXISTING TOP OF BACKWALL, EXPANSION JOINTS, AND ENDS OF BRIDGE DECK.
- C. REMOVE AND REPLACE ALL EXISTING END CROSSFRAMES.
- D. INSTALL PROPOSED STRIP SEAL EXPANSION JOINTS.
- E. CONSTRUCT PROPOSED ENDS OF DECK, TOP OF BACKWALL, APPROACH SLAB, AND PARAPETS ON ABUTMENT WINGWALLS.
- 3. PERFORM REPAIRS TO RAMP C-B BRIDGE DECK AND EXTERIOR PARAPETS AS REQUIRED TO RE-OPEN THE EXIT RAMP TO TRAFFIC.
- 4. PERFORM WORK AT THE WEST ABUTMENT AND AT THE EAST ABUTMENT:
 - A. REMOVE OUTER PORTIONS OF EXISTING APPROACH SLABS AND EXISTING PARAPETS ON ABUTMENT WINGWALLS.
 - B. REMOVE OUTER PORTIONS OF EXISTING TOPS OF BACKWALL, EXPANSION JOINTS, AND ENDS OF BRIDGE DECK.
 - C. REMOVE AND REPLACE EXISTING END CROSSFRAMES WITHIN THE SAME LIMITS.
 - D. INSTALL OUTER PORTIONS OF PROPOSED STRIP SEAL EXPANSION JOINT.
 - E. CONSTRUCT OUTER PORTIONS OF PROPOSED ENDS OF DECK, TOPS OF BACKWALL, APPROACH SLABS, AND PARAPETS ON ABUTMENT WINGWALLS. BUILD TO LONGITUDINAL CONSTRUCTION JOINT AT OFFSET OF 36'-7" RIGHT OF € I-490.
- 5. PERFORM REPAIRS TO OUTER PORTIONS OF EXISTING EASTBOUND BRIDGE DECK, FINGER JOINTS, AND EXTERIOR PARAPETS.
- 6. PERFORM CLEAN-OUT OF ALL SCUPPERS ALONG THE EXTERIOR PARAPET.

WORK BELOW THE BRIDGE DECK:

WORK BELOW THE BRIDGE DECK IS NOT RESTRICTED TO A SPECIFIC CONSTRUCTION PHASE BUT MAY BE SUBJECT TO COMPLETION OF OTHER WORK AT A GIVEN LOCATION. THIS WORK INCLUDES:

- 1. MODIFY THE BRIDGE DRAINAGE SYSTEM (AFTER SCUPPER CLEANING IS COMPLETE):
 - A. REMOVE EXISTING NEOPRENE DRAINAGE TROUGHS, STEEL ANGLES, AND STEEL COLLECTOR PIPES BELOW JOINTS 1 THRU 5 ON I-490 MAINLINE AND JOINT 6 ON RAMP C-B. INSTALL RETROFIT CLEANOUTS WHERE EXISTING COLLECTOR PIPE WAS CONNECTED TO EXISTING SCUPPER PIPE.
 - B. REMOVE EXISTING STEEL DOWNSPOUT PIPES FROM PIERS.
 - C. PERFORM CLEANOUT OF EXISTING SCUPPER PIPES, INLETS, CATCH BASINS, AND STORM SEWERS TO REMAIN.
 - D. INSTALL PROPOSED GALVANIZED STEEL DOWNSPOUT PIPES ON PIER.
 - E. INSTALL PROPOSED GALVANIZED STEEL DRAINAGE TROUGHS BELOW JOINTS 1 THRU 5 ON I-490 MAINLINE.
 - F. INSTALL PROPOSED GALVANIZED STEEL COLLECTOR PIPES.
- 2. REPLACE LOOSE AND MISSING BOLTS IN SUPERSTRUCTURE FRAMING.
- 3. REPLACE MISSING SAFETY CABLE AND REMOVE SAFETY CABLE ATTACHED TO HANDRAIL AND REATTACH TO SUPPORT.
- 4. PAINT THE BEAM/GIRDER ENDS AT THE ABUTMENTS AND INTERMEDIATE EXPANSION JOINTS (AFTER PROPOSED END CROSSFRAMES, EXPANSION JOINTS, AND/OR PROPOSED DRAINAGE TROUGHS ARE INSTALLED).
- 5. PERFORM SUBSTRUCTURE CONCRETE PATCHING AND CRACK REPAIR.
- 6. PERFORM SUBSTRUCTURE CONCRETE SEALING (AFTER CONCRETE PATCHING AND CRACK REPAIR IS COMPLETE).
- 7. REPLACE CONCRETE SLOPE PROTECTION AT THE SOUTH COLUMN OF PIER 14R.

THE ABOVE IS A SUGGESTED CONSTRUCTION PROCEDURE. THE CONTRACTOR SHALL SUBMIT HIS OR HER PROPOSED CONSTRUCTION PROCEDURE AND SCHEDULE TO THE ENGINEER FOR APPROVAL BEFORE BEGINNING CONSTRUCTION. NO CONSTRUCTION OPERATIONS WILL BE PERMITTED WITHOUT PRIOR APPROVAL.

CSX TRANSPORTATION COORDINATION NOTES:

REFER TO THE CSX TRANSPORTATION PUBLIC PROJECT INFORMATION MANUAL FOR ADDITIONAL REQUIREMENTS NEEDED FOR WORKING ON/ABOVE/ADJACENT TO CSXT. SPECIFIC SECTIONS THAT PERTAIN TO THIS PROJECT ARE SPECIAL PROVISIONS FOR CONSTRUCTION NEAR CSXT PROPERTY, OVERHEAD BRIDGE CRITERIA, CONSTRUCTION SUBMISSION CRITERIA, AND INSURANCE REQUIREMENTS FOR PUBLIC PROJECTS.

CONTRACTOR ACCESS WILL BE LIMITED TO THE IMMEDIATE PROJECT AREA ONLY. THE CSXT RIGHT-OF-WAY OUTSIDE THE PROJECT AREA MAY NOT BE USED FOR CONTRACTOR ACCESS TO THE PROJECT SITE AND NO TEMPORARY AT-GRADE CROSSINGS WILL BE ALLOWED.

THE CONTRACTOR WILL BE REQUIRED TO ABIDE BY THE PROVISIONS OF THE AGENCY/CSXT CONSTRUCTION AGREEMENT.PERIODICALLY, THROUGHOUT THE PROJECT DURATION, THE CONTRACTOR MAY BE REQUIRED TO MEET, DISCUSS AND, IF NECESSARY, TAKE IMMEDIATE ACTION AT THE DISCRETION OF CSXT PERSONNEL AND/OR THEIR AUTHORIZED REPRESENTATIVE. TO COMPLY WITH PROVISIONS OF THAT AGREEMENT AND THESE SPECIFICATIONS.

IT IS THE RESPONSIBILITY OF THE INDIVIDUAL OWNERS OF WIRELINES, PIPELINES, UTILITIES, ETC TO COORDINATE DIRECTLY WITH CSXT REAL ESTATE AND FACILITIES MANAGEMENT (REFM) GROUP. THIS INCLUDES ALL NEW INSTALLATIONS AND THE ADJUSTMENT, MODIFICATION, REMOVAL OR RETIREMENT IN PLACE OF ALL EXISTING FACILITIES.

THE CONTRACTOR MAY NOT USE CSXT RIGHT-OF-WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION WITHOUT PRIOR CSXT APPROVAL. THE CSXT RIGHT-OF-WAY MUST ALWAYS REMAIN CLEAR FOR RAILROAD USE. EQUIPMENT MAY NOT BE POSITIONED TO BLOCK THE RAILROAD ACCESS ROAD, TRACK AREA OR ANY PART OF THE CSXT RIGHT-OF-WAY WITHOUT PRIOR CSXT APPROVAL. ALL MOVEMENTS OF EQUIPMENT WITHIN RAILROAD RIGHT-OF-WAY MUST BE COORDINATED WITH THE RAILROAD FLAGGER.

THE ROADWAY AUTHORITY, OR DESIGNATED CONTRACTOR, SHALL COORDINATE WITH THE RAILROAD WHENEVER THE CONTRACTOR'S WORK ACTIVITIES ARE LOCATED OVER, UNDER OR WITHIN THE RAILROAD'S RIGHT-OF-WAY.

ANY DAMAGE CAUSED BY THE PROJECT WORK TO THE TRACK OR RAILROAD PROPERTY WILL REQUIRE REPAIR IMMEDIATELY UPON NOTIFICATION FROM THE RAILROAD OR THEIR DESIGNATED REPRESENTATIVE. IF THE DAMAGE AFFECTS THE TRACK, TRACK STRUCTURE, RAILROAD FACILITIES, OR TRAIN OPERATIONS AS DETERMINED BY THE RAILROAD. THE REPAIRS WILL BE PERFORMED BY THE RAILROAD AT THE CONTRACTOR'S EXPENSE INCLUDING ALL ASSOCIATED COSTS OF DELAYS TO THE RAILROAD.

DURING TRAIN MOVEMENTS THROUGH THE PROJECT LOCATION. VEHICLES. EQUIPMENT, AND PERSONNEL WILL NOT BE ALLOWED TO OPERATE WITHIN TWENTY-FIVE (25) FEET OF THE TRACK.

CSXT SHALL BE NOTIFIED AT LEAST FIVE (5) DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING.

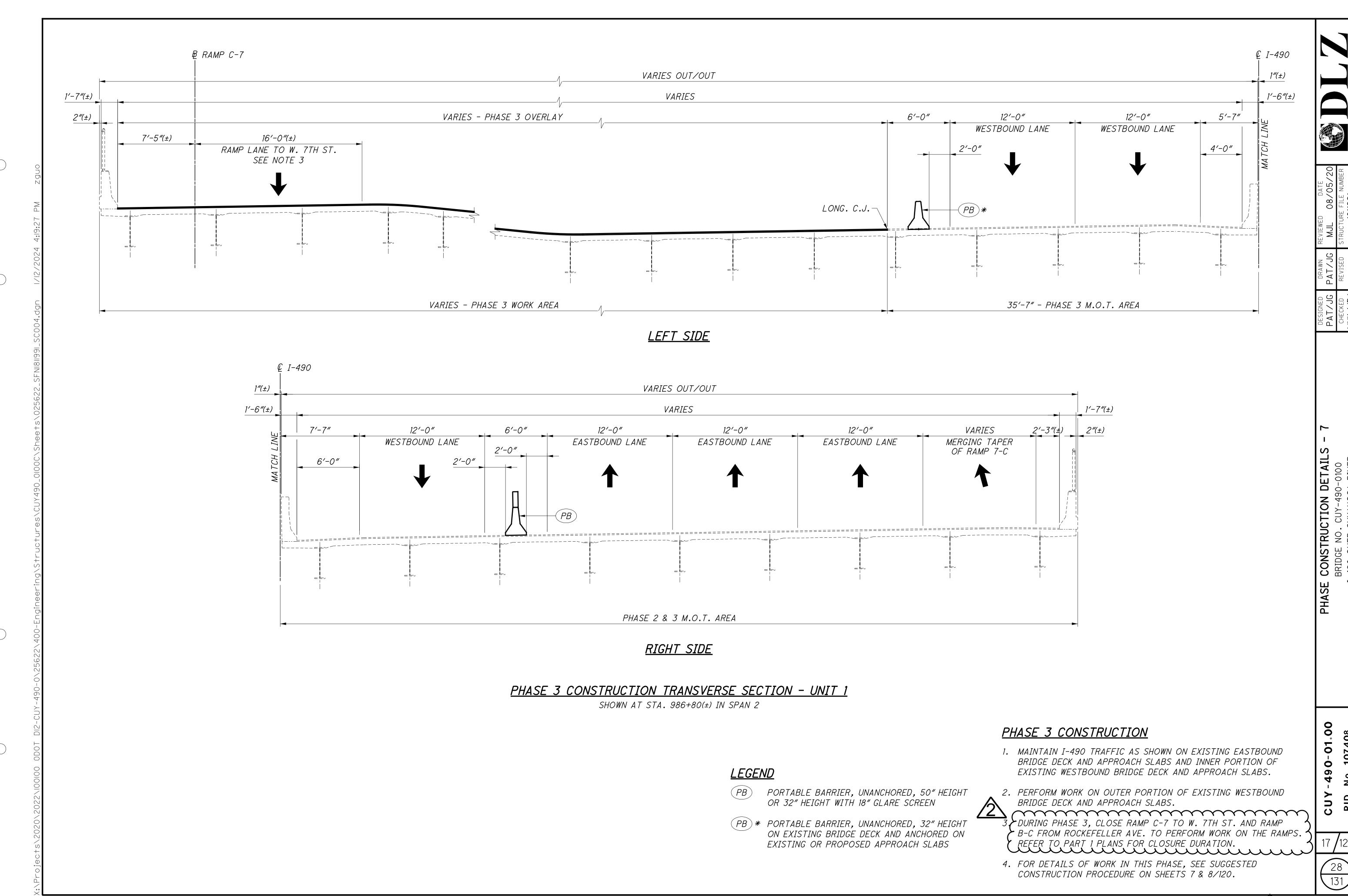
THE CONTRACTOR SHALL COORDINATE ALL WORK ON, OVER OR ADJACENT TO THE RAILROADS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL CONTACT CSX RAILROAD, AT LEAST THIRTY (30) DAYS IN ADVANCE, IN ORDER TO COORDINATE THE NECESSARY WORK. UNDER NO CIRCUMSTANCES SHALL THERE BE ANY WORK WITHIN THE RAILROAD RIGHT-OF-WAY WITHOUT THE PROPER AUTHORIZATION AND/OR FLAG PROTECTION FROM THE RAILROAD.

THE USE OF ACETYLENE GAS IS PROHIBITED FOR USE ON OR OVER CSX PROPERTY. TORCH CUTTING SHALL BE PERFORMED UTILIZING OTHER MATERIALS SUCH AS PROPANE.

CSXT REQUIRES THAT THE CONTRACTOR SUBMIT AND RECEIVE ACCEPTANCE OF A COMPREHENSIVE MEANS & METHODS SUBMITTAL (CSXT CONSTRUCTION SUBMISSION CRITERIA, ISSUED APRIL 2022) DETAILING SCOPE WORK WITHIN CSXT TRACKS OR RIGHT-OF-WAY, OR OTHER WORK WHICH PRESENTS THE POTENTIAL TO AFFECT CSXT PROPERTY OR OPERATIONS TO UNDERTAKING THE WORK.

| | | 20 | |
|-----|----|--------|--------|
| /2\ | 01 | /12/20 | ر 2 |

| FUNDING | | | | | ESTIMATED QUANTITIES | | | | | CF | HKD. BY: JAN | | E: 08/04/2 E: 08/05/2 |
|-----------------|-------------|-------------------|-----------------|---------------------------------------|--|------------------|------------------|-----------------|-----------------|----------------|---------------------|--------------|--------------------------|
| 02/IMS/13 | ITEM | ITEM EXTENSION | TOTAL | UNIT | DESCRIPTION | WEST ABUTMENT | EAST ABUTMENT | ABUTMENT B-C | ABUTMENT C-B | PIERS | SUPER- STRUCTURE | GENERAL | REF. SHE NUMBE |
| LS | 202 | 11203 | LS | | PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN | | | | | | | LS | 5/120 |
| 1,341 | 202 | 22900 | 1,341 | SY | APPROACH SLAB REMOVED | | | | | | | 1,341 | 07.120 |
| 50 | 202 | 32800 | 50 | SY | CONCRETE SLOPE PROTECTION REMOVED | | | | | | | 50 | |
| 1.0 | <i></i> | 11100 | 1.0 | | COEFFED AND EVOLVATION DEACING | | | | | | | | |
| LS | 503 503 | 11100 21100 | LS | CY | COFFERDAMS AND EXCAVATION BRACING | 2 | 2 | 2 | 2 | | | LS | |
| 0 | 303 | 21100 | 0 | C I | UNCLASSIFIED EXCAVATION | 2 | 2 | | 2 | | | | |
| 15,248 | 509 | 10000 | <i>15,248</i> | LB | EPOXY COATED REINFORCING STEEL | 3,105 | 3,648 | 769 | 1,715 | | 6,011 | | |
| 2,000 | 509 | 20001 | 2,000 | LB | CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING REINFORCEMENT, AS PER PLAN | 250 | 250 | 125 | 125 | 250 | 1,000 | | 120/12 |
| 1,054 | 510 | 10000 | 1,054 | EACH | DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT | 458 | 444 | 52 | 100 | | | | |
| 33 | 511 | 34444 | 33 | CY | CLASS QC2 CONCRETE, BRIDGE DECK | | | | | | 33 | | |
| 4 | <u> </u> | 34448 | 4 | CY | CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET) | | | | | | 4 | | |
| 55 | 511 | 45710 | 55 | CY | CLASS QC1 CONCRETE, ABUTMENT | 17 | 21 | 5 | 12 | | | | |
| 01 700 | <i>[</i> 10 | 10100 | 01 700 | CV | SEALING OF CONCRETE SUBFACES (FRONK URETUANE) | 071 | 200 | 0.5 | 110 | 0 400 | 10 575 | <i>^_</i> | |
| 21,722 2,723 | 512 512 | 10100 10600 | 21,722 2,723 | SY FT | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) CONCRETE REPAIR BY EPOXY INJECTION | 231 | 288 70 | 85 | 36 | 8,426 2,615 | 12,535 | 45 | |
| 13,102 | 512 512 | 74000 | 13,102 | SY | REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES | 212 | 247 | 67 | 67 | 2,013 | 12,509 | | |
| 10,102 | 012 | | 7 | , , , , , , , , , , , , , , , , , , , | | | 277 | <u> </u> | | | 12,000 | | |
| 15,800 | 513 | 10201 | 15,800 | LB | STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN STRUCTURAL STEEL, MISC.: INSPECTION SAFETY CABLE SYSTEM REPAIR | | | | | | 15,800 | | 6/12 |
| LS | 513 | 95020 | LS | | STRUCTURAL STEEL, MISC : INSPECTION SAFETY CABLE SYSTEM REPAIR | | | | | | | LS | 6/120 |
| 1 | <i>513</i> | 95030 | 1 | EACH | STRUCTURAL STEEL, MISC .: FINGER JOINT EXPANSION PLATE REPAIR | | | | | | 1 | | 6/12 |
| 3 | <i>513</i> | 95030 | 3 | EACH | STRUCTURAL STEEL, MISC.: FINGER JOINT SINGLE FINGER REPAIR | | | | | | 3 | | 6/12 |
| 125 | 513 | 95030 | 125 | EACH | STRUCTURAL STEEL, MISC.: REPLACE LOOSE OR MISSING BOLT | | | | | | 125 | | 6/12 |
| 41,800 | 514 | 00050 | 41,800 | SF | SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL | | | | | | 41,800 | | |
| 41,800 | 514 | 00056 | 41,800 | SF | FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT | | | | | | 41,800 | | 6/120 |
| 43,800 | 514 | 00060 | 43,800 | SF | FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT | | | | | | 43,800 | | 6/120 |
| 43,800 | 514 | 00066 | 43,800 | SF | FIELD PAINTING STRUCTURAL STEEL, FINISH COAT | | | | | | 43,800 | | 6/120 |
| 40 | 514 | 00504 | 40 | MNHR | GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL | | | | | | 40 | | |
| 27 | 514 | 10000 | 27 | EACH | FINAL INSPECTION REPAIR | | | | | | 27 | | |
| 508 | | 11210 | 508 | FT | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL | | | | | | 508 | | |
| 34 | 516 | 11211 | 300 | FT | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN | | | | | | 34 | | 81/12 |
| 3 | 516 516 | 46701 | <u> </u> | EACH | RESET BEARING, AS PER PLAN | | | | | | 3 | | 6/120 |
| LS | 516 | 47001 | LS | | JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN | | | | | | | LS | 6/120 |
| 177 | Γ10 | C2100 | 177 | | CTRUCTURE DRAINAGE MICC - DRAINAGE TROUGU CYCTEM EVRANCION JOINT 1 | | | | | | 177 | | 0.712 |
| 173 135 | 518 518 | 62100 62100 | 173 | FT FT | STRUCTURE DRAINAGE, MISC: DRAINAGE TROUGH SYSTEM, EXPANSION JOINT 2 | | | | | | 173 135 | | 6/120 6/120 |
| 135 | 518 | 62100 | 135 135 | FT | STRUCTURE DRAINAGE, MISC.: DRAINAGE TROUGH SYSTEM, EXPANSION JOINT 2 STRUCTURE DRAINAGE, MISC.: DRAINAGE TROUGH SYSTEM, EXPANSION JOINT 3 | | | | | | 135 | | 6/120 |
| 143 | 518 | 62100 | 133 143 | FT | STRUCTURE DRAINAGE, MISC.: DRAINAGE TROUGH SYSTEM, EXPANSION JOINT 4 | | | | | | 143 | | 6/120 |
| 144 | 518 | 62100 | 144 | FT | STRUCTURE DRAINAGE, MISC.: DRAINAGE TROUGH SYSTEM, EXPANSION JOINT 5 | | | | | | 144 | | 6/120 |
| 2,970 | | 62100 | 2 , 970 | FT | STRUCTURE DRAINAGE, MISC.: 10" GALVANIZED STEEL PIPE, INCLUDING SPECIALS | | | | | | 2,970 | | 6/120 |
| 35 | 518 518 | 62200 | <u> </u> | EACH | STRUCTURE DRAINAGE, MISC.: 10 GALVANIZED STEEL FIFE, INCLUDING SFECIALS STRUCTURE DRAINAGE, MISC.: SCUPPER CLEANOUT | | | | | | 35 | | 6/120 |
| 1 | 518 | 62200 | 1 | EACH | STRUCTURE DRAINAGE, MISC.: SCUPPER GRATE REPLACEMENT | | | | | | 1 | | 7/12 |
| LS | <i>518</i> | 63300 | LS | | STRUCTURE DRAINAGE, MISC.: BRIDGE DRAINAGE SYSTEM CLEANING | | | | | | | LS | 7/120 |
| 1 140 | <i></i> | 15001 | 1 110 | CV | DEINEODOED CONODETE ADDDOACH OLADO (T-17/) AC DED DLAM | | | | | | | 1 140 | 7 /10/ |
| 1,140 513 | 526 526 | 15001 90010 | 1,140 513 | SY FT | REINFORCED CONCRETE APPROACH SLABS (T=13"), AS PER PLAN TYPE A INSTALLATION | | | | | | | 1,140 513 | 7/120 |
| 313 | 320 | 30070 | 313 | 1 1 | TITE A INSTALLATION | | | | | | | 010 | |
| 50 | 601 | 21000 | 50 | SY | CONCRETE SLOPE PROTECTION | | | | | | | 50 | |
| | | | | | ESTIMATED OUANITITIES CONTINUE ON SUEET 10 /120 | | | | | | | | |
| | | | | | ESTIMATED QUANTITIES CONTINUE ON SHEET 10/120 | | | | | | | | 1 |

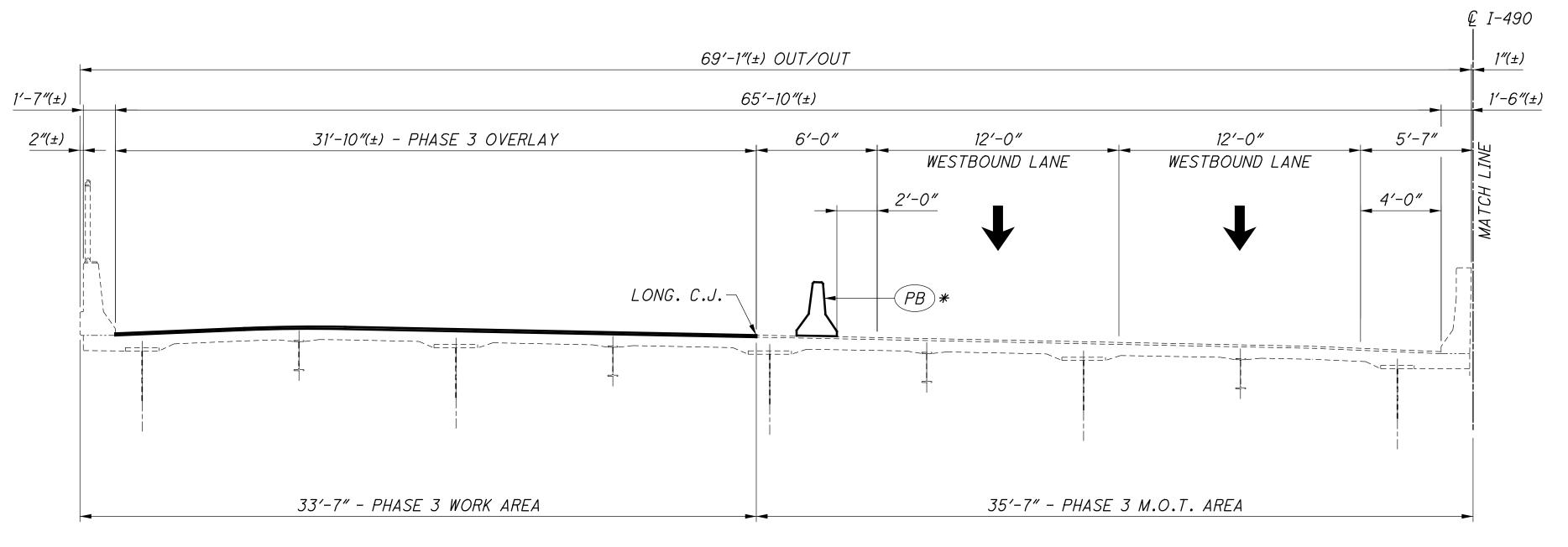


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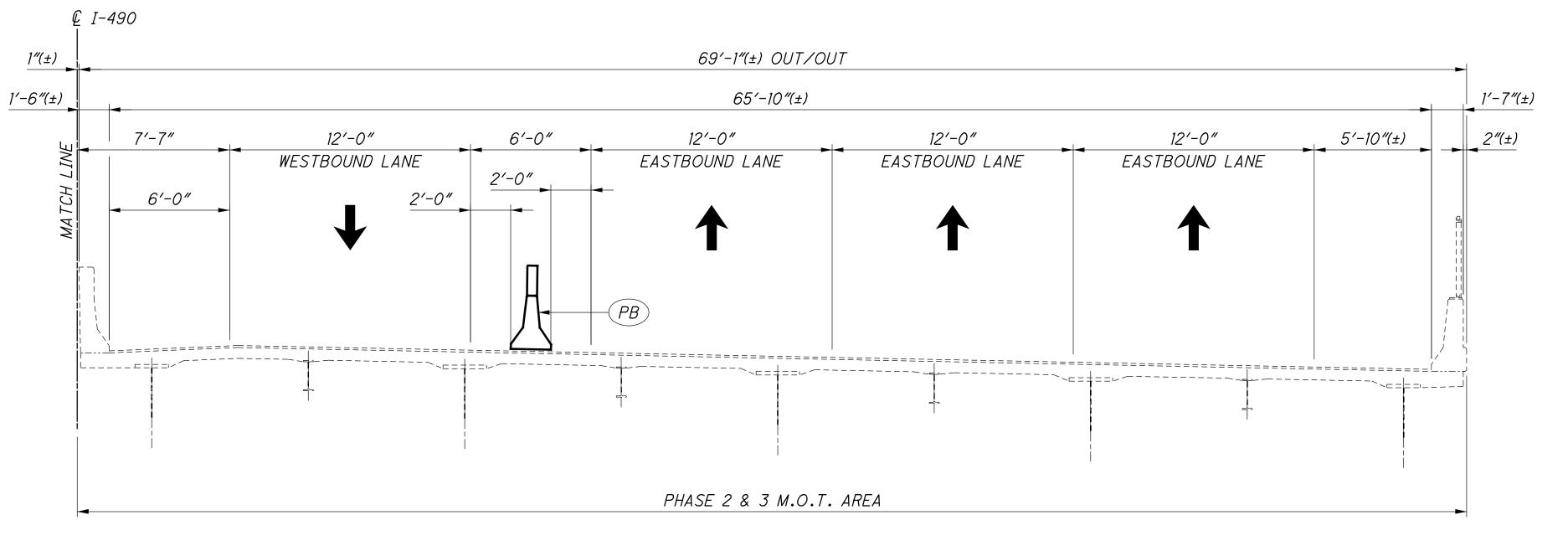
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TO PART 1 PLANS FOR CLOSURE DURATION. CONSTRUCTION PROCEDURE ON SHEETS 7 & 8/120.

B-C FROM ROCKEFELLER AVE. TO PERFORM WORK ON THE RAMPS.



<u>LEFT SIDE</u>



RIGHT SIDE

PHASE 3 CONSTRUCTION TRANSVERSE SECTION - UNIT 3

SHOWN AT STA. 999+50(±) IN SPAN 11

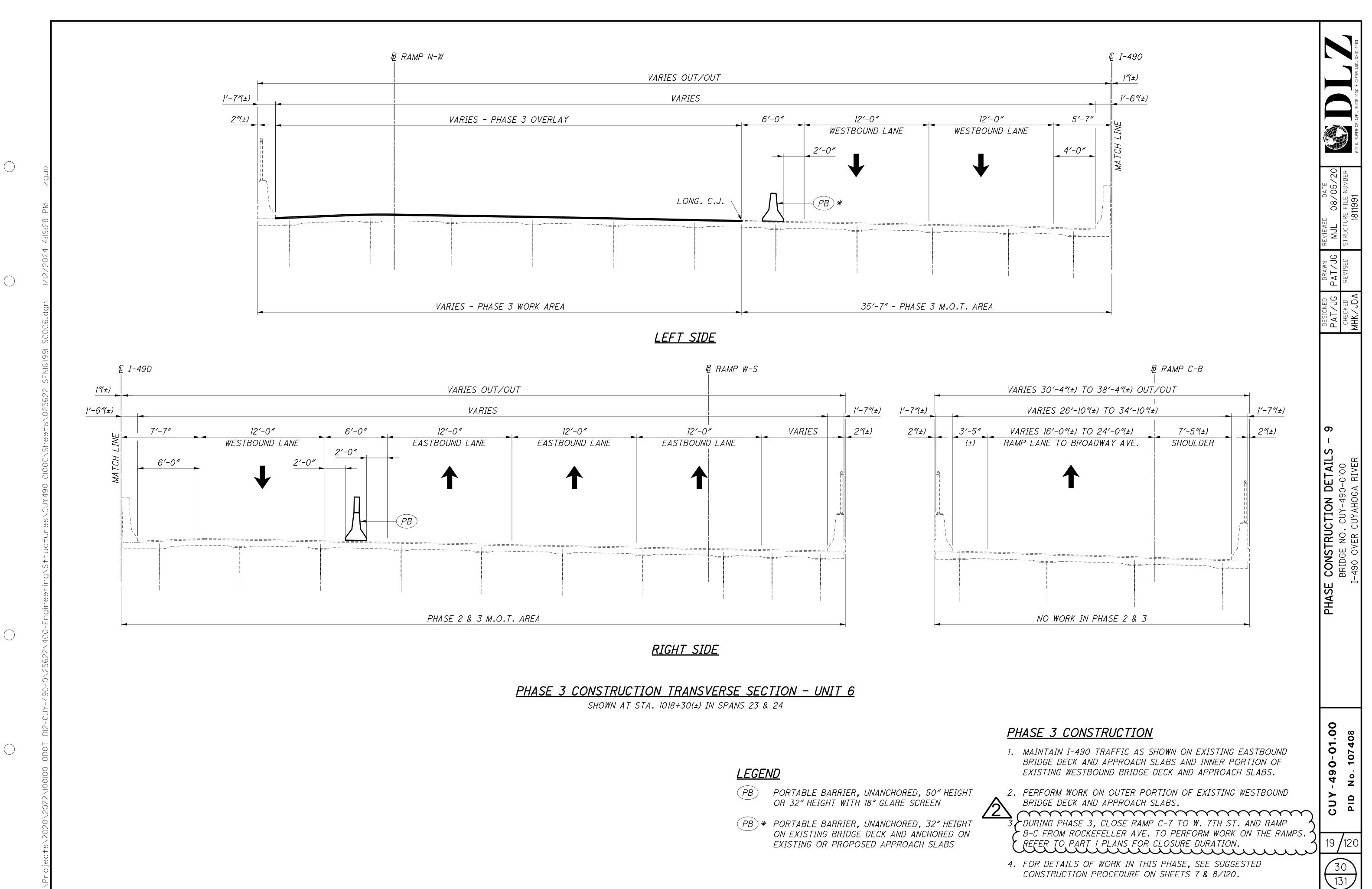
<u>LEGEND</u>

- PORTABLE BARRIER, UNANCHORED, 50" HEIGHT OR 32" HEIGHT WITH 18" GLARE SCREEN
- (PB) * PORTABLE BARRIER, UNANCHORED, 32" HEIGHT ON EXISTING BRIDGE DECK AND ANCHORED ON EXISTING OR PROPOSED APPROACH SLABS

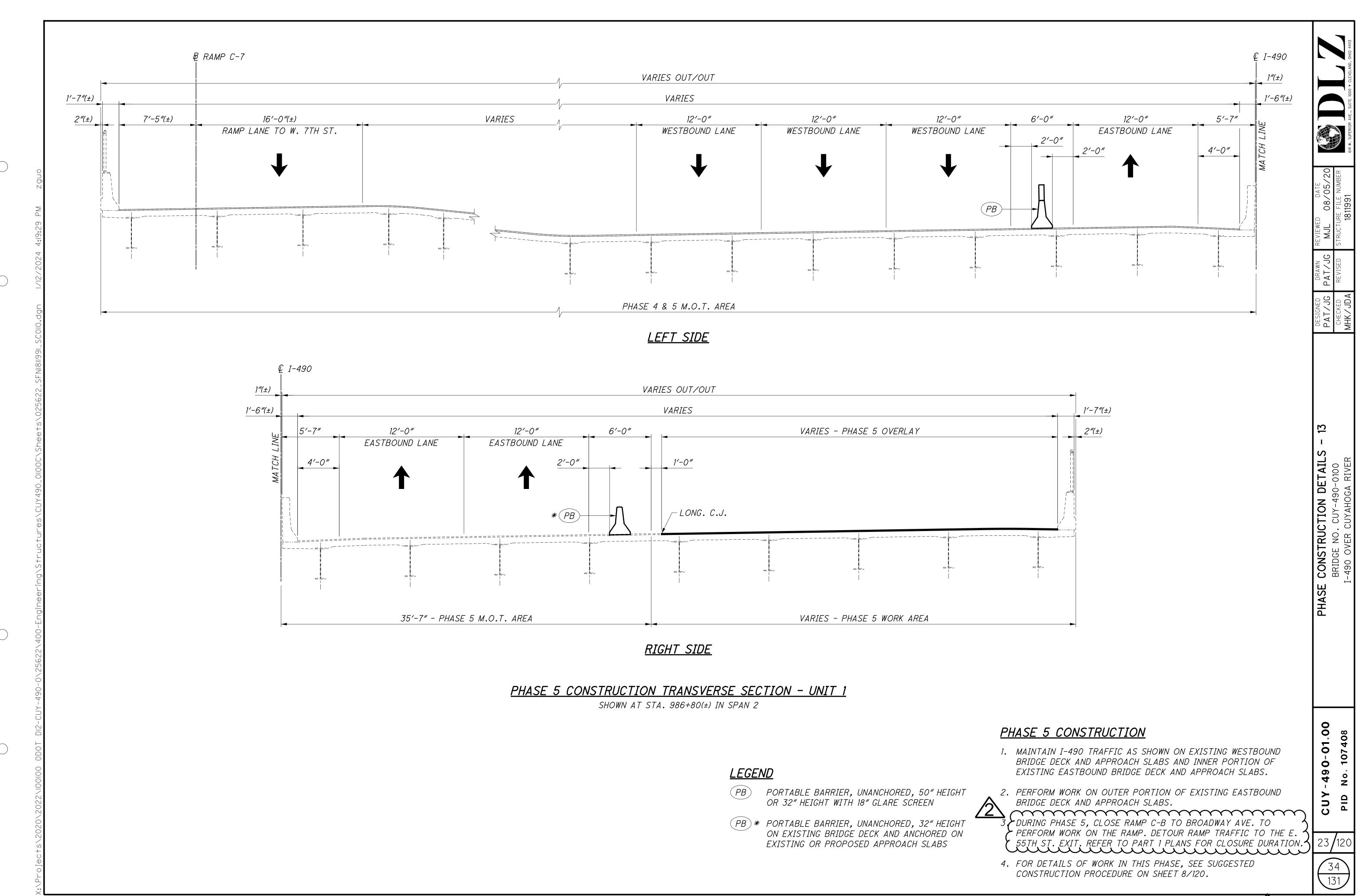
PHASE 3 CONSTRUCTION

- 1. MAINTAIN I-490 TRAFFIC AS SHOWN ON EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS AND INNER PORTION OF EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. PERFORM WORK ON OUTER PORTION OF EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS. DURING PHASE 3, CLOSE RAMP C-7 TO W. 7TH ST. AND RAMP

4. FOR DETAILS OF WORK IN THIS PHASE, SEE SUGGESTED

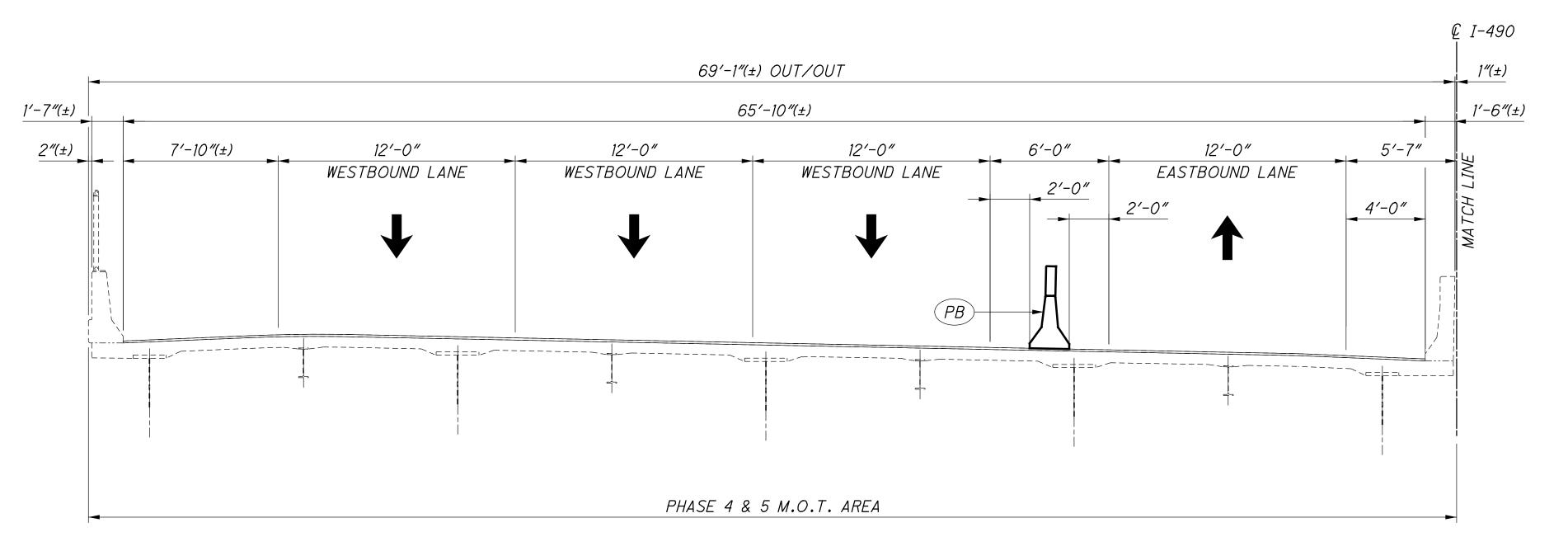


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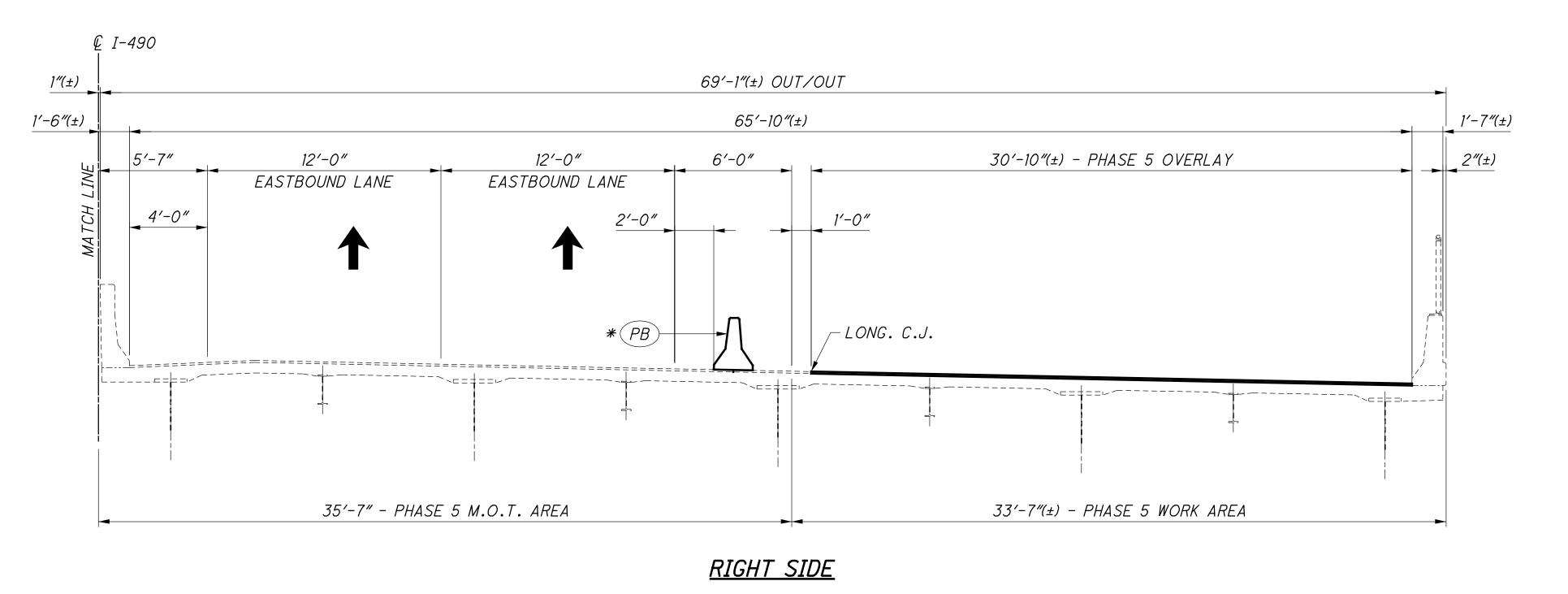


01/12/2024

CUY



<u>LEFT SIDE</u>



PHASE 5 CONSTRUCTION TRANSVERSE SECTION - UNIT 3

SHOWN AT STA. 999+50(±) IN SPAN 11

<u>LEGEND</u>

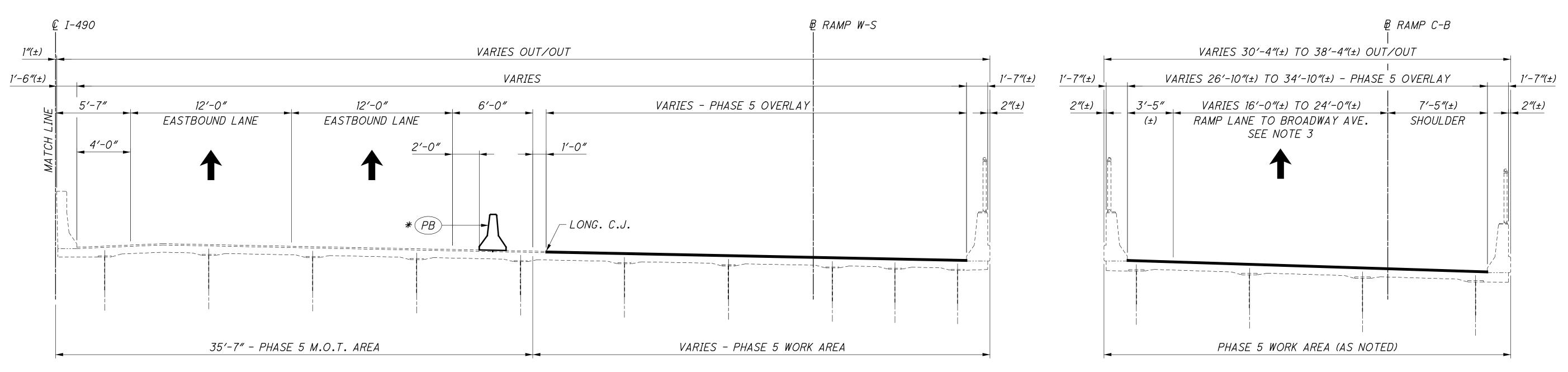
- PORTABLE BARRIER, UNANCHORED, 50" HEIGHT OR 32" HEIGHT WITH 18" GLARE SCREEN
- (PB) * PORTABLE BARRIER, UNANCHORED, 32" HEIGHT ON EXISTING BRIDGE DECK AND ANCHORED ON EXISTING OR PROPOSED APPROACH SLABS

PHASE 5 CONSTRUCTION

- 1. MAINTAIN I-490 TRAFFIC AS SHOWN ON EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS AND INNER PORTION OF EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. PERFORM WORK ON OUTER PORTION OF EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.

DURING PHASE 5, CLOSE RAMP C-B TO BROADWAY AVE. TO PERFORM WORK ON THE RAMP. DETOUR RAMP TRAFFIC TO THE E. 55TH ST. EXIT. REFER TO PART 1 PLANS FOR CLOSURE DURATION.

4. FOR DETAILS OF WORK IN THIS PHASE, SEE SUGGESTED CONSTRUCTION PROCEDURE ON SHEET 8/120.



RIGHT SIDE

PHASE 5 CONSTRUCTION TRANSVERSE SECTION - UNIT 6

SHOWN AT STA. 1018+30(±) IN SPANS 23 & 24

<u>LEGEND</u>

- PORTABLE BARRIER, UNANCHORED, 50" HEIGHT OR 32" HEIGHT WITH 18" GLARE SCREEN
- (PB) * PORTABLE BARRIER, UNANCHORED, 32" HEIGHT ON EXISTING BRIDGE DECK AND ANCHORED ON EXISTING OR PROPOSED APPROACH SLABS

PHASE 5 CONSTRUCTION

- 1. MAINTAIN I-490 TRAFFIC AS SHOWN ON EXISTING WESTBOUND BRIDGE DECK AND APPROACH SLABS AND INNER PORTION OF EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.
- 2. PERFORM WORK ON OUTER PORTION OF EXISTING EASTBOUND BRIDGE DECK AND APPROACH SLABS.

DURING PHASE 5, CLOSE RAMP C-B TO BROADWAY AVE. TO PERFORM WORK ON THE RAMP. DETOUR RAMP TRAFFIC TO THE E. 55TH ST. EXIT. REFER TO PART 1 PLANS FOR CLOSURE DURATION.

4. FOR DETAILS OF WORK IN THIS PHASE, SEE SUGGESTED

CONSTRUCTION PROCEDURE ON SHEET 8/120.

.01,00

490-

CUY